

# SEQUENCE LISTING

<110> Weaver, Zoe

<120> Process for Identifying Anti-Cancer Therapeutic Agents Using  
Cancer Gene Sets

<130> 689290-77

<150> US/60/233,133

<151> 2000-09-18

<150> US/60/234,009

<151> 2000-09-20

<150> US/60/234,034

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<170> PatentIn version 3.0

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cttactcaat	gcagaagatg	aaataaggga	agaggagaga	gaaagagcaa	ctgaggaaaa	2040
agaatcaa	gatttattat	taatccggaa	gaatagaatg	gcactttttc	aacatttgac	2100
ttgtgtaatt	ccaatcctgg	atagtctact	aactgccgga	attattaatg	aacaagaaca	2160
tgatgttatt	aaacagaaga	cacagacgtc	tttacaagca	agagaactga	ttgatacgat	2220
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tacaactcaa	aaaacattgt	tttgtgtaac	atattttatat	atgtatctaa	accatatgaa	2700
catatatttt	ttagaaacta	agagaatgat	aggcttttgt	tcttatgaac	gaaaaagagg	2760
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acctgggttt	ttttttgttt	tggttttttt	tacagacagg	gcagcactac	gagaccctgc	2940
ctttaaaaac	aaacagaaca	aaaacaaaac	accagggaca	catttctctg	tcttttttga	3000
tcagtgtcct	atacatcgaa	gggtgtgcata	tatgttgaat	gacatttttag	ggacatgggt	3060
tttttataaa	gaattc					3076

<210> 17  
 <211> 1412  
 <212> DNA  
 <213> Homo sapiens

<400> 17						
gaagagacag	tttatcttct	gagccgaatg	ggtaatagcc	gaagtgccct	gaagatgatt	60
atggaggaat	tacatgatgt	tgataaagca	atcgaatttg	ccaaggagca	agatgatgga	120
gagctgtggg	aagatttgat	tttatattcc	attgacaaac	caccatttat	tactggcttg	180
ttaaacaaca	ttggcacaca	tggtgaccca	attctactga	ttcacctgat	taaggaagga	240
atggagatcc	ccaatttgag	agattccttg	gttaaaattc	tgcaagacta	caatttgcaa	300
attctgcttc	gtgaaggctg	caagaagatt	ctcgtagctg	actctttgtc	cttactgaag	360
aaaatgcacc	gaactcaa	gaaagggtgt	cttgttgatg	aggagaacat	ctgtgagtcg	420
tgcccttccc	ctattcttcc	atcagaataa	cccagtggag	agaagtgttg	tggtctccat	480
cctgctcagt	ggaatgctgg	tgctgccatt	gcttagagct	gaggttctca	agctctagga	540
tgacgctaag	cccttcagcg	tggtgggtct	ccattgccgg	cacatgttcc	acaaggagtg	600
cctgcccattg	cccagcatga	actctgctgc	acagttctgc	aacatctgca	gtgctaagaa	660
ccgtggacca	ggaagtgcaa	ttttggagat	gaaaaaatag	ctcatttctc	cttgtcagtc	720
tccttgtcac	cactcttttt	gagactgttt	ttgcaacaac	aaaagcattt	gttgacactc	780
gtgctgttaa	gagatttggt	tatgtttata	ttatactcaa	aaacaatttc	ttcatctatt	840
cctgtactaa	tggtttctct	ttgcagttca	cagagaattt	ggggctctct	tcatgccttg	900
aaattttggg	gtccatagtg	aatattttgt	tattttattg	tttggctcat	tctttatata	960
gtaatggaaa	cataagtcta	ggagttagaa	atgaattttt	tagaccttag	taaaaccatt	1020
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ggcatttaat	gaaacattgt	acaaattgtc	actcatttga	tgacacctgg	gaataacatt	1260
agcaggctga	tgtcctgcac	cattatgttt	actaatcaca	tggtctgtgt	gctgtgacga	1320

ctgtcaaaga gtatctggcc atggcggaca ctcagcattt gttgattgaa taaatgtag 1380  
ctcttctcaa aaaaaaaaaa aaaaaaaaaa aa 1412

<210> 18  
<211> 470  
<212> DNA  
<213> Homo sapiens

<400> 18  
cgaaaaaagg aacaaagcgt tactgaaaag aaggtaacct ttgttggatg tgggccttag 60  
ctccaggtcc agactactac tctatgttct ccagaagggt gctaagtcac ctactgaaga 120  
gagaaccaac tgactttcct attgactcat caggaaccag tcctcagtct ggtcaagttg 180  
tttcttattt gtgagcagtt caggctatct cctgatgggg atgaggccaa ggctttctta 240  
tcttttggtt gtctctgctt aatggaggag cctggcctag gatggaggcc tggccttagat 300  
ctttcattcc acctcaggaa tgaggttgtg atctttcctg tcctgaccct ctctgaatta 360  
tgtttcaata gtactcttga ttgtctgcca tgttgttgaa gcaaataaat tattttttaa 420  
tgtaagtaa gtaaataaac cttagcccgt caaaaaaaaa aaaaaaaaaa 470

<210> 19  
<211> 738  
<212> DNA  
<213> Homo sapiens

<400> 19  
aatacagcgc attcaacttg caaacaccct tccactccca caaagagcaa gctgtcactg 60  
gccaatcaaa acaatgaacc ataatgaaac agtttttctt gctccacca ctcggtgacc 120  
aaatttgaaa aaaaaaaaaa accgcgccaa ctcatgttgt tttcaatcag gtccgccaaag 180  
tttgtattta aggaactggt tcagttcata ccttccactg cgataggaat catgtctggt 240  
cgcggaag gcggaaggt cttggggaag ggtggtgcta agcgccatcg taagggtgctc 300  
cgggataaca tccagggcat tacaaaaccg gctatccgcc gtttggctcg gcgcggtggg 360  
gtcaagcgca tttccggtct tatctatgag gagactcgag gtgtgcttaa ggttttctta 420  
gagaacgta ttcgagacgc cgtcacctat acggagcacg ccaagcgcaa aactgtcaca 480  
gccatggatg tagtatatgc cctaaaacgt caggggagca ctctgtatgg cttcggcggc 540  
tgaatctaag aatacgcggt ctcttgagaa cttcaaaaaa caaaaaaacc caaaggccct 600  
tttcagggcc gtcacaaaag tcgttttaaag agctgaaatg cgttgcgaga atgagtttgg 660  
atgacagaaa taaccgtgac agcctgcata agaataaatt gtgtttgcca tgaccggcca 720  
cactgtgaca aaatttca 738

<210> 20  
<211> 446  
<212> DNA  
<213> Homo sapiens

<400> 20  
aactgaggca tcatggcagt ttaatagtga ggtatttaat tgcattttta taaaaaacat 60  
tgcaaaacaa agtgacaata gggacctaaa ttctttggac ttacggtaga gatgcttgag 120  
gatectaata ttctacttct gccaacatgt caggtaggaa gtcacaaatg ttccccataa 180  
gccattacaa actggctaag gaaaatcagt catgactaag tccttgtctg catcacgctc 240  
ctgcccctcc acacactgtc tgagcgtgca cttttctttc gaaggctaatt ttatgaggca 300  
ttctgctga gtcagggcta ttgctaagtga gaaggtttga tgaacctccc agtagaaaat 360  
gcaaggcctg caaaaatgcc gaacagctcc gatttactat gggcttataa tcaagggcaa 420  
actatacaat aagagggttg gtattt 446

<210> 21  
<211> 442  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 21

```

gggtgttccct gagcgggttgc tgcgggtgat ggatactctt ctgatactgg ctcttcgtgc      60
tataatttct tttctcacca agagcaggtg ccctttcaga agggaatggg antngagggga      120
gggtcacaga aacacctcgg cactggggga aacgtggcct agcctctgng ancggcganc      180
agcggccgga anactggtgg gctgcgggcc ggcgcggtt cannaggctt ctttttccgc      240
ggacggagac actngtacag cccaagtctc gagnaacgc caacgccgac gccttctcca      300
acaaaagatg gcctcggact caagagtgcg gctccagggc aatgcagccc caacctaaag      360
atttagaggc ctcccgtttc gctggccccc agagccgncc accgcgactg cacttcccca      420
ncgataaaaag gtggtttcca an                                         442

```

```

<210> 22
<211> 413
<212> DNA
<213> Homo sapiens

```

```

<400> 22
tacagagaat ataaaaatac attcacttta ttttagaaaa atgaagactc atagagtaag      60
cttatcacia actggcctat taggagtcac agaattcaca ggaaacaatt tctgaagacc      120
aggtgcctgc tgccacctct ccaagcaggc cagagtccag tagagaatgc gattcaggaa      180
gatggctcct cagagggcag ggaggttagc tacggaggcc gctcacgtgg aaatgtccag      240
tgaaccaatg ccaaggaaga agataaaatt ctctggggct gaccacaaca gtgggggtgg      300
ataaagacaa accacttgcc tgtacttctc atcttctatt tgttcatttc actgctggaa      360
ggtgacctct tttcccctaa tcttctttca acccagagag ttttaagtctt ctc          413

```

```

<210> 23
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 23
aagattatac gaangattta ttgatactgg ttaacatcca ttatatacag gtagaaactt      60
tcaaaattgt acaaagaacc attaagcata ttgataaaga cagttttaca gacaaaacaa      120
ctggaaaata gttttaacat acacaatata taattatgaa aaaaatgtag aacacatatt      180
gttctaccag ataaatccca aggttattaa aagtctgcta tgcagacctt taagttgaaa      240
aatgtgttca atggagttac atggtttttag aaaattaagt ataatgttaa aattaagctt      300
ttttttctca ttgcaatttg ggagaggaac tgagacaact tttttacccc aaatctatac      360
agtttgaaaa ataatttata tgtctagc                                     388

```

```

<210> 24
<211> 415
<212> DNA
<213> Homo sapiens

```

```

<400> 24
ttcttgcttt ctttaaactt ttatttaaaa gtccatgcta ataatgtgtt tacattttta      60
cagttacatt atgatagaaa ctggttgatt ttttaaatat ctaaaacaat ggcccactga      120
agaaaggaac aattaactct ttaattaatt ccttaggata aataccaga aatttaacag      180
ctagggcaga cttctaatac aataccgaaa gtccttccaa aaaccaagtg gttgccaact      240
tatgtccctt agcattataa cattcttgag ccaatagtgt aaaaatacgc tgacaatttt      300
ataggcaaac attactcaag gtatcttact ttccacttat tactaaaggt aattaacccc      360
taaatagatg ctctcaaca gtgggactac atcctggtaa acctatcata agttg          415

```

```

<210> 25
<211> 637
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

<400> 25  
gaattgtgaa gctgtttatc aaatgtttta gagaatttac acaagaatgt tttgacccca 60  
caaaaaataa tgtgcctaag ctttaaacia aattcacatt ttatttagat tgaaataaac 120  
tatacaaaat tgatttttctt caccaaaaat aacagcaata ttttccatat ttttctagat 180  
aaaccacaac acttattttg taggttttcc aggttttgct tataaatcaa gatgaggcag 240  
tatataagag tcatggaaaa agacagagaa aaaaaacaga caaatcagtt gtcagtatcc 300  
atggcctctg attctgtctc aaccatgaaa cagaagtgtt caacatatac ctgctaaaaa 360  
gcttaggaag atgtaggctc cacaaaggaa tgtaaacagc aacgagatgt ggaacaacag 420  
caggcttttc cattcaaact ttgtcatttg tttcctttta gttcaagaaa gaccaaactc 480  
acactggaaa tccctgtttg ggtgagctca caagcctttt ctccgggtaa tttcctgtaa 540  
ctgtccaggt atagattttta accatacctt aaaactccct attagtcaag gnccaattgt 600  
gggcttcncc tacacatttt ataaatggta tccctcc 637

<210> 26  
<211> 261  
<212> DNA  
<213> Homo sapiens

<400> 26  
gagggaaaga caaacgtat ttattccagg ccaggtctta aaatgcacac tgcacggttc 60  
cctgttggtta tcagcaccag taaggaaaga acgtgcctta acggcagccc caccagagc 120  
ctgctgcgtg gctgctgtga ggctcccat gaatccacgc agtcttcttc ctactgggtg 180  
cagttggtga ggttttctac cctcacagca aagggatcct taactataaa ttcacggtat 240  
gcagagaaga ggacagaatc t 261

<210> 27  
<211> 445  
<212> DNA  
<213> Homo sapiens

<400> 27  
tttttttatt gttttatagt tttatttttt ttaaattgaca gttacaagtg cttttccctt 60  
gatgggcaat gacgtaacta ttttcagtta ttagtaatgc cttaaaaagt aacagcattt 120  
tgtctaaact gaacttatat aattgcacaa aagtcatgga aagcattaag aaatgctggt 180  
aaagattgaa gttttctcag attcttgccg aattccaaga agccttgatt ccagtgggtc 240  
ctctgattca aacaataatg atgctcaaac tcagtgcacac acaggtagag aacagcagca 300  
caaccaggag aacccatgtg gtttgtaaca gtgaaattct gctctactgt taaggtttaa 360  
tgatgcattc attcatcttt tcattaggag cataaaaaac acctcaaatt atattttctc 420  
aggcttaaaa cttgttttga gctat 445

<210> 28  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 28  
tacaataaac aattgttatt tgtgtacttt taaaacctca cagtaatatt ttcacactac 60  
cttcttggtc gaaagttcac actcggaatt ccagagcagt ccatggccag gccactggn 120  
tccccttgct ctctccttggt ctttggtaac cactggcccc agggactcag cctgctttcc 180  
tatccatccc ctcatgagct gtcaccatgc aggttacccc ttctgtttct tctaccacta 240  
actccatgtc tgactgcaag tgaaaggaac agaagcccaa acctttgggt ttttaaggagt 300  
ttattgctaa tctgtaaac agaaagagac aggagataag catgacaaaa tatagggaag 360  
aaatgacttt tgcttaaact tccaaactgt gtacaattga agcctccgct ttatagctct 420  
tagcacacct ctcaaataag aagg 444

<210> 29  
<211> 451  
<212> DNA



```
<213> Homo sapiens
<400> 29
ttcatatttc aagtgttttt attctgagca gtaggtacaa aaaataatga catagttgtg 60
tctaattctg tatagttcag caccctccac aggctgtcaa tctctgattt gatctacttt 120
taccagattt aacagatcct tgaatttact ttactgtata tacttccttc ttgctcacat 180
tggaatcaa actaatgctg gaaacatgca tcttcagact tcattgagga attccagatt 240
gagacacgct gggatgtgga ttgagtccat ggtagagaa gatggattaa atggaaacaa 300
aacaggaaac atgtgcttgg catctaatag cagttgctga gggtcattcc gctctttag 360
ttgtgcttgg attgttcgta taaaggccac tgttaccgt tcttcaaatt cattcagggg 420
agtataaagg tttaaaattt tgacaatctg c 451
```

```
<210> 30
<211> 466
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> n=a,t,g or c
```

```
<400> 30
gagcacaag gtccacttta cttacatgaa ggaacataaa ggcatgagaa acagtcactc 60
caataaatgc aagacatgag cataaaagag gttctctgcc tttccagcgt tgttattaca 120
gagagaaacc tacaattatt ttgttaaaca aaattcaagg ctccaggact catctctgga 180
gctgatatgt cttaaatact attatagtag gaaagggaga ggagaaaatt cccacccac 240
tcccccgatt tggcccggtg agcttccctt tgaggggtgtg tgacttgcca tctgcaaaag 300
tcatggccaa aacaggaact aacaggccaa actaccatca atctagtctt ctacagcacc 360
ctaacagagt gccagggtcc tctgtcncct ccgcacctga ggncaaagtt ccaggaagtt 420
tactgccggt gttaggaggt gagctcaagt tcagtgtctg ncttct 466
```

```
<210> 31
<211> 418
<212> DNA
<213> Homo sapiens
```

```
<400> 31
gtgggttttaa tctgtgtttt gagatttttt tcaaatggaa agatattaca gatagaaaca 60
catcattcta ggtttcaaaa tcaccaaagt cagtgagaag aatgtacatt catttaaatg 120
taatcatttg taaataaaga aatcttgaaa aggctgaaca gttcaatcaa attgaagaat 180
tgatctagat ttttcattat tcttttttaa taatgagtaa gtgtagatat agtgtacata 240
caagttgaca ttctgattca ttcaaaatag tcacatccct ttgcttggtt ttggatgttc 300
cagagactaa aatttaatac cattcataac atagtatttt cagtaaaaag aattatagag 360
caatgaaaaa tcagaagatg gctcagagag ctttataatc tctaaatata cacacatt 418
```

```
<210> 32
<211> 418
<212> DNA
<213> Homo sapiens
```

```
<400> 32
tttttacaat tccataccac caccacatct gttctgtgct tttattttac gaaaaagcta 60
atggcaaate tacattaaac taagttgaat acaaagtcct agtgaagaag gcctgggtgt 120
ctcgtttaca aaaatggcca gtgtcatatt tgggcttaaa atttcaagaa gggcacttca 180
aatggctttg catttgcatg tttcagtgtc agagcgtagg aatagaccct ggcgtccact 240
gtgagatgtt cttcagctac cagagcatca agtctctgca gcaggtcatt cttgggtaaa 300
gaaatgactt ccacaaactc tccatccctt ggctttggct tcggccttgc gttttcggca 360
tcatctccgt taatggtgac tgtcacgatg tgtatagtag agtttgacaa gcctgggt 418
```

```
<210> 33
<211> 446
<212> DNA
<213> Homo sapiens
```

```

<400> 33
tctgaaaatc agcctttttaa tctagttgaa cccaacgagt ggggaaagaa ctaaaacatt      60
tttttccctt cagatttttga ttataagaat aacgggtcag aggtgtctct tccataggaa      120
actgacatcc cctatgtcct cagagttgtt tttttttttt tttcttcaaa aaaatgcata      180
aaagaatttc aactcatgtg catgccacac atttccatcc ccaccccacc ctgccccacc      240
ctctacaggc acacatattc acacacccaaa gggactcctt cctgtaactg gggaacagaa      300
tgtaaaaaaa tccatccaag tggccaccga taccagaaat aaccaaatgc atttacactc      360
acaacatcag tcaactcaca tgcacaagga gaagcgtctc caatcggagc ttagagccaa      420
aaattacaaa tggcagagac ttgagc                                           446

```

```

<210> 34
<211> 581
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc.feature
<223> n=a,t,g or c

```

```

<400> 34
ttttaagtcc tcacaacagt gattttatta aattagttgc tttataaaac attgcagatg      60
tcataattgt taacataaca atttaccaaa ctgtagttaa ctggtgcagt ttgctgagca      120
tgttttataa aggaaaggaa aggaaatgcc aaaaccctgg taaagttgtt ccattgcagc      180
ctaagagaac aaagatttgt ttctcagaca cttaaatacag gcaaataaaa ataagtttcc      240
ctccccacc tgaagcagtt catcagtaga aatagcctga taaataacta gacagtcttt      300
gcactcgaga gattccacaa catgtaatgc aataatggaa aggtttacct tctttagctt      360
caaagttgga gggttttggt cattttaatt ttatatcaaa ctagtgcctt tcagccgcag      420
tatcttcact ctgagataag cagtcttctt ccacaatgga attttttnata tccccatggt      480
ccatttttaa gaccaagcca attttaatac naggtgcccc ccacatggcc ctggctgcaa      540
acngcttttc ctggaccagn tttgaagtag ttccaggngg g                                           581

```

```

<210> 35
<211> 465
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc.feature
<223> n=a,t,g or c

```

```

<400> 35
tttttttttt ttttttttcta aatgaagtgc ttttaatttt cagaccaaac atttttaata      60
taaaaacatt ttgataatat acaaacagca atcacaacag catccacatg gcagcaaggg      120
gaccagggca cagagnnggg gagcgggctg gggagggaca gttttcaggg tcccagttgc      180
ttccctggct tgaaatcacc ctggtcctag cagaggacag gttaaggctg ccagaggang      240
ngggtccctg acctggggcc ggagacagac tgcccaggca ggccctctga taccatcttc      300
caaccatggc agcctccagg aaaagccaga tccatttagg agataacagg aaggtggctg      360
tgattgacag gaaaggcaac atggttcctc agcatcctgc tgatcacacc tctgggaggg      420
gctgctggat tgaagaggac ctaagaatct tcctgggagc aggac                                           465

```

```

<210> 36
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<400> 36
tacatgtata ttatttattg ttgattctgt acaccaaagt gattacaagc agcatccagc      60
agaagacaga ccccccaacc ctgccacca gggtcgacac tctacaaaac cctgagggcc      120
tagaaatctg taaatgcata gccaaagcact ggggctgatt tgcaagtaatt ctctaagcaa      180
ggcaaacatg atctagcttt gaaggcagca tgaaggcagc gggttggtga gaacaatctc      240
tccttaagag aagaagatac ctggggcgga aggagtttcc cccggaagtg gcttgagcc      300
caccctctct gaaccacagc catggcttcc ttcccaaggc cactgctggc ttcccaacaa      360

```

cgcagattca gttctgactg tg 382

<210> 37  
<211> 323  
<212> DNA  
<213> Homo sapiens

<400> 37  
cttcacacag taagatcagt gtttgctaag tggtatcagc caatgtacag cccccccaa 60  
cacggtcaaa cgttgttcca gttattttac tttaaaagag gatttaaata atgcgacgtg 120  
ctttccactg agccactaag taggtgtgga cgcacaacct tcaacactaa ttgcccttta 180  
ctaagccgac cagggctaga cactaagcca gaaaagcctt ttccagagtt tcctcttcg 240  
cacaaaagct ttctttctgt cactccaccc aaccaccag ctctccctt aagtgtttga 300  
aagataattc tataagtctc etc 323

<210> 38  
<211> 416  
<212> DNA  
<213> Homo sapiens

<400> 38  
ttttttttt caagtatatt tactctttat tgcattcctt catttgcatt aaacaatatt 60  
ttttcaatac agttttggac aaaacacaaa gacattaagc tcatttaaca agagacataa 120  
gttaacacaa tgtgtgctgc tttcatgagg aggaaaggagg caagatctta gaggaatcca 180  
ggatactggc caccaggaat cacaggatct cacaatacaa tccacttctt taaaagccac 240  
aaaataagct aggggaagaaa acccaaaaaca aagaagatat gacatccaag tctccaccaa 300  
aagtatacaa atggcaagat ttggagatga tctgctttct cacatgagga caaataacag 360  
aggagccaca cccaagtgcc actgtggcca caagcctcat ggggtggcgtg tgaggt 416

<210> 39  
<211> 427  
<212> DNA  
<213> Homo sapiens

<400> 39  
tcttatttaa aatatttttaa tttctaaaaa gcttaaatac tattaaaatt taaacaattt 60  
cattgtacag tacttgacaa tacatttcaa caaactgaaa ggcaaaccag taaatcagtt 120  
ttgcttactt tctaagctta ataatgtaca gactcttgct cttcaagaag atgcaaaaat 180  
cagcaacagt acaagtgaaa tatttaataa ggaatctgaa acaaaacgaa ttcaatctga 240  
tcaaateccac aattaattga agttttcatt ttattcaatt gtgaataaaa tagcagacac 300  
tgtttcatcc aataagccaa tgatatcagc ttaggagaaa tgatctgcct ggcttgtgca 360  
agacaagaac agttaccttc tgctgaaagg atgtgagttt tcaaatttgg ttttcatgtc 420  
atagttt 427

<210> 40  
<211> 275  
<212> DNA  
<213> Homo sapiens

<400> 40  
ttcaaagtgc acatttaagt ttttcaccac tgtacttcaa atctacattg tacaaagtga 60  
ccagaaagtg tgccacggta attgaccaac ctctgagatt gtacctttca caccagtgtc 120  
ttcttgggct cttttgatac taaacacggt tctcattcaa gtgaattgaa atgcttcagt 180  
tggttgatt ctgaggagcc tcataaaaaa aaaacaaaga tattgcacca tctttgttta 240  
gtaattcaat gtttgtttct ttcacagcaa ataatt 275

<210> 41  
<211> 366  
<212> DNA  
<213> Homo sapiens

<400> 41  
ttttttcata atgatttatt tagataacaa acattaatgt gaaacatata ggctattggc 60  
aaccactatt ctaaaattat gtaagtacaa ataaacatac tgaaatgtgt gcaattctaa 120  
gtttttaaac cagaagattt ctacactaac acacatttat attaatagaca cataaaaaaa 180

ataaaaaactt	tattacaaaa	ataagttaca	ctcgctcca	gcttacagta	taaaacaatt	240
ttatttgcag	gaatgcaaaa	tgattgtttg	ccatgagcat	tttgaacata	tgacatgtcc	300
gattttcttg	ttaaatttgc	atttactggg	gaactggtgt	gtataaaacc	ttaattaagt	360
ataagc						366

<210> 42  
 <211> 272  
 <212> DNA  
 <213> Homo sapiens

<400> 42	acatagaaaa	aaatgtatat	ttatatccct	aaaaggcaat	acagaattta	taaccaaacc	60
	atgtgtgaga	actgtttaat	tacattccaa	ataccagcag	tggaacaaac	agaaacacag	120
	agatgtttta	aaaaacatgc	agcacgttac	aaagaggccg	tgtaataatt	cacaactttt	180
	gttagcagcc	gttaagtttg	attagtatta	agcagcaatg	gtttaagcaa	ttttaaatca	240
	tgatatgata	gttacatata	tgcatTTTtac	tg			272

<210> 43  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 43	ttttttttaa	attaatcaac	caacacccat	tctattttaag	gttccaaaag	gaagtagctg	60
	gacccggctg	cagacacact	cccaccttgc	ttctgtccca	aaagtacatc	ccctacgtgt	120
	ggttctcctt	aaacaatttt	aatgtctggg	ttggggaagc	aggtagagcg	cgtagaggca	180
	gctgctagag	gctggttgct	gactccaggc	cgcgttccag	gaaatatcgg	tggaagaac	240
	ggggacgggc	ttgggacctt	tcattgagga	agtaggatgt	gatcttctctg	agtcctctct	300
	gattctcgga	tgctgagtcc	tcccatataa	catcttc			337

<210> 44  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

<400> 44	acattcagat	gtttttactg	cttgattaca	tttcttggtt	tcacatttaa	gacttcaatt	60
	tataagaagt	aaattatatg	tttttcaatt	taagaacaga	tgaatgcagg	aacattatga	120
	acattatgtt	ggggaaaaca	aagagacccc	aaattaaaaa	acaaaacaaa	tcaaaacata	180
	actagttgtg	cagctctgga	gaacttaata	aaaagtaaat	caacttttaa	atcagttaac	240
	tttggcgtct	gaatacaaaa	tgtttatcag	tattacctat	gtagatgact	attaagggat	300
	gtgcagcatt	ttcaaaatcc	ctgtgtgtcc	tttgtatgca	tgtttggtac	actgagttct	360
	gtggtcactg	tcctctcttc	agcagggttt	ttttacccca	gtacgattgt	ccatctctgt	420
	att						423

<210> 45  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<400> 45	gattgtattc	aaatttttat	tttttgaaca	aaaattttaag	acaatgattt	taaataataa	60
	aacatgggat	atattctaga	cactgggtttt	ttttaagat	ttattaaatt	tagactccta	120
	tagttctgtt	gtgatgcttt	cttcaacatt	tatattatTT	cttaccattt	tatcatcact	180
	ccaagcttgc	taaacaaaga	atctctctgt	taagtgaagt	tttacattaa	ggaaatactc	240
	cactagcaca	ctgaacaaac	ctacagaact	gtcctagttt	atattttaca	aacacaagaa	300
	gtctgtccag	ccatttttgg	tttggttgta	cactgtccat	actgagatca	gcagagagct	360
	aagtaataca	caagattacg	cttcggcagt	gcaaaggatg	gcacaaac		408

<210> 46  
 <211> 369  
 <212> DNA  
 <213> Homo sapiens

```

<400> 46
gcaggtaatc ttatttttcct aagggtagtt tcatgatgac agtgtcaaaa aattactgtg      60
gataaagaaa aaattgtctc aatgaaatag aatttttcac tgaacacaga aaccatctca      120
atagtgtctg ctccctgggt tccaggccac gcaacagaca tcaaaccagg aagccaaact      180
ttcatggacc tgtgttaaga aaaacacaca tacatgggca tactactttt tccagaaaaa      240
cggaattagg cagagaagga agtgtgggtg tacaactgat ccacaagcta ttgggaaatc      300
aatagctaaa aaatgtcaac accctggctt ctttttatca ggaactccag gaggctgaag      360
gaatgtgag                                     369

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```

<210> 47
<211> 362
<212> DNA
<213> Homo sapiens

```

```

<400> 47
gttaccaatc tgaagtggga gcggccgcca tttttttttt tttttttttt tttttaaaagt      60
ccatagattt taatgaaatt tctattcctg tctctgagcg gctgctgtgc tttgtctggg      120
tccccaggga gacaagagtc aggctggaat gagacctctg tctgccaggc ctttgtggag      180
gcctggggagg agaaaggcca aaggctttga tgcttgggac cgatgcccgg ccactcagct      240
ccagacacca gggatctggc aaggggggtg ggcaagggcc agacagacca acagccttgg      300
ggtcctggcg agactcgcca agaccagatc tgaagctggc tgggccaaag cagctgaggc      360
gg                                     362

```

```

<210> 48
<211> 394
<212> DNA
<213> Homo sapiens

```

```

<400> 48
caagatagag ggttttttatt gaaagtaggt tatgcaaact tggcttgaaa ggtacttata      60
attttaaaaa ttatgcctaa tgatgcatca aatacaaaaa catataatac atcaatagtc      120
aaccctttcc ccataaaggc aaagttactg agaaatgttt atttttcctc tggtaatggc      180
taatccaggc aataatatga aagcaaattg aaaattcaca ttgcttcttt cattgcttct      240
gtcccttaaa cctgttaatc tttcagaacc acattactga ggtgctggcc tgtgcatgga      300
aacccaatga tatccaggtc ttacaggctc agggcccagt ggacagacag gccctggctc      360
tccacgctgg ccaccatgtc ttcgatggca ttcc                                     394

```

```

<210> 49
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<400> 49
tgtgatgcag catcagggtgc ttttacttca gtgaatgaaa aataatggtc acaactcaaa      60
tgaatgggaa tttaatatga atatatgcac cttaccagag atgtttgcta ccaatgatat      120
cttagcaatt ccatattcct tacaaagtca gtataattgt tgtaaaaaaa tcaactgtgg      180
ttctgaatac ccattcacag ttgacctcaa caatgtatct gatgtaggag actgagtatc      240
cgtgacaggc agaagcatgt gatggctctc agtcccaagt ggaagagcta atggtaaagt      300
catatcagaa ggcttcacat ccatagtttc tgataaagga ctttttttga tggaaacctg      360
ttcactcaaa gtatgatcct ctgca                                     385

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```

<210> 50
<211> 500
<212> DNA
<213> Homo sapiens

```

```

<400> 50
ttttggaata ccattgtggt tattgatcaa acctggcttc gagtgtgaca gagccattct      60
tggtttctcct tggaagtaac aagaacactg ggtaacatgt gaagtgcacg gagactcacc      120
tgaatcccac caaagtagta gctggacca gtagcctagc ttattgtctt ggcagtgcc      180
ctaccagta ccattagacc tggctttgtc cttacatag gacagactgg gcttctccac      240
tcccgcagg ctggccctac ctccacctgt ccttggaagc tagtatgtaa gtaagggagg      300

```

```

agtcacaaag tttatagatg ggtaggctga ggattgaggc aggaggggac ttaatggctg 360
agtcacctggc ttgttccaga gccctggccc ttgagccctt ggactgggtca gtgcatggac 420
actctccctt cccagctcgg gcggaagact tttcctgact tagctgctcc atacacacaa 480
tctataaata tgtatttgct 500

```

```

<210> 51
<211> 313
<212> DNA
<213> Homo sapiens

```

```

<400> 51
actgaaaaac tcagacttta ttcagattaa gttcctctac aaaaagtagg gttctgtccc 60
atgtgtctct gacacattta caaaatacca gtttttttaa attttgggtca aattatgagt 120
ggttgattta aaaacttttc caagaagaag aaaagcatgg agtagtaatt taaagaactc 180
aataaaaaact tctatttttt atttttaaat aatatacaca gtgttatttt cttcaagacc 240
gtcctgtgga tgtgaaatcc gtcttcgcgt catgtatctc ccatatccag cagttcagcc 300
atccagctac ctt 313

```

```

<210> 52
<211> 207
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 52
gtggaagaat acagaaatat gtttaatact tagtatcaaa ctaaaaagta atataaaatt 60
acaaaacttc ttttttttca tgcacaggct ttttctggta aggaccgctg ggattgaaca 120
gaagcttccg gtaataaagg gccccgtcgg caagacagca tactgctgtc acaagtgcaa 180
acaccctccc accaactgtc aatgttg 207

```

```

<210> 53
<211> 221
<212> DNA
<213> Homo sapiens

```

```

<400> 53
aaagcgtgta tggaattacc ctgctaggga accagcatac atatgtcatt cttttgtaca 60
gtatttttac aagtatttga ttttgtttac cctaatttat ccaactcagg aataaaaagg 120
aatctcagat ctatgagaag gacctccaat ttctcattct cagcttcaaa acaaattagt 180
cagtttaaca ttagtcaaga cacagggtgc tgtgaaataa g 221

```

```

<210> 54
<211> 228
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 54
gaaaagaaat ctatttttaa tggctttggc tttatagcac gaagcaggca ccnctcggtt 60
aaaggcacac agtcctctct tctgccccac ctcttggttc cttaaaatcg agtcctgagt 120
tccagagggg tcaactgcaag gcagcaggga agggagaggg tcacagtttc actctgtgag 180
tatcagacac ccaggggccaa ggcccagact ggctctgtaa gctaaagg 228

```

```

<210> 55
<211> 536
<212> DNA
<213> Homo sapiens

```

```

<400> 55
ttacaggat cttaacttta tttagctctc tgtagaatta acatctttgc aaatatatta 60
ttcaaccaag catttgccat aaagataagc atcaactttc ccattggaca agtgatagtg 120
ttcaagctac ttgacttggtg aaaaacaaaa aaccaccatg acttctcaac aaatacattt 180

```

taaaatgaaa	tatgctcagg	ctgataaaca	aacaagatat	taaaatggag	actgacattg	240
aactacatag	tcaacttgaa	aaacacaaga	agacaatgct	cctataaaat	gatataattat	300
tggctttaca	aagacatact	ggttttatgtt	tacaactatg	ttttattttc	aaatggtaaa	360
ggaaaggctt	catgttgcta	tttgaaagta	cttctcaact	agccgggcat	ggtggcataa	420
ttcctgaagt	aggaggatca	tccccttgag	gccaggaggt	ccaggctgca	gtgagctgtg	480
attgtgccct	gaccatagct	tgggtgacag	agtgaactct	gtctcaaaaa	aaaaaa	536

<210> 56  
 <211> 535  
 <212> DNA  
 <213> Homo sapiens

<400> 56	ttttgaaaaa	agatcacaga	ataattttat	ttataatgaa	tgttattctc	tccagacttc	60
	aactcatcag	tttactctta	taacagagaa	tcaatttaaa	taacaccatc	aaaatggaat	120
	gaatataaaa	caatctgcta	ttacgtatcg	atttctttga	taggatataa	ttatagccaa	180
	ttagtcttgc	aacacatggt	ccatttccag	tgaattctc	aataaactgc	taggaattac	240
	agtccttcat	attgacattt	tattgtaaag	tctgctagac	gtggctctct	tgattgcttt	300
	ggaagtcagt	caaacaaatg	ctctgaagaa	aaggctgaca	ccgcaaaaaca	acttcatatg	360
	aaatctgtcc	acaaatggga	tagcaatgcc	tccagatcct	ttgggttttta	tcagtccttt	420
	tggaaagtta	attaattgat	gattgttccc	ttaaaattct	attttaaata	ggacaatcac	480
	tgtctataca	gtctgtgcca	gcgtccttga	ctttcttgc	tccactgatt	tgttt	535

<210> 57  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

<400> 57	gagagcacaa	ctccaaatca	tctttttatta	atataaaaag	ggcatattta	gcaaaagaca	60
	cacagataaa	agagtcacta	tggctcagga	cacaaggcag	ggaggtgcca	ggcctgtgcc	120
	cctgctgggg	gagaaggagg	ctcgggacaa	agtgggagaa	gtgctgggaa	gggctgagcg	180
	gtaggggcca	caaaagttcc	gggtgggcaac	actgtcggca	ggtcattgggt	gggactcatg	240
	gggacctcgc	tgctaactct	tggtgtgggg	gggtgtcctt	agtgtgcca	cctggagggc	300
	cactccttgg	ttcctggagg	ggacccacca	agggacacag	gacaggaagc	ccaggatggt	360
	tagtgcaact	cgggatga					378

<210> 58  
 <211> 225  
 <212> DNA  
 <213> Homo sapiens

<400> 58	ctccaaggca	tttattaact	cctgagtgtc	acggggccag	gggaaggctg	gagcaaaacc	60
	aagtctctgg	gggcgggggt	cctctctgga	tccccactac	tcagctcccc	gggctcccca	120
	tgcagcccta	gagacgggag	aagtccagt	tgctgttcaa	cttcctcca	agtccccaag	180
	aaagtgggag	gcagtgttcc	actccagtgt	cgtccagacg	aacaa		225

<210> 59  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<400> 59	tttctttaac	cgtgtggtct	ttatttctagt	gccagtgtta	cagatacaac	acaaatgttc	60
	cagttagaag	gaattcaaac	ggaatgccaa	ggccaagcc	aggctcaaga	aataaaaagg	120
	gaggtttgga	gtaatagata	agatgactcc	aatactcact	cttcctaagg	gcaaaggtag	180
	ttttgatata	gagtctgac	tttgaaactg	gtgaactcct	cttcaccca	ttaccatagt	240
	tcaaacaggc	aagttatggg	cttaggagca	ctttaaaatt	tgtgggtggga	ataggggtcat	300
	taataactat	gaatatatct	tttagaaggt	gaccattttg	cacttttaaag	ggaatca	357

<210> 60  
 <211> 378

<212> DNA  
<213> Homo sapiens  
<400> 60  
aacataaaaa aataaaattta ttttgagtct gaaataactga agaacaagca tacagataaa 60  
tagtacaaag aacaaaaatt agaacatgag taatgactta agacacaggc atttttctag 120  
ctattgcata cagacacatt tttacacaca aacatatttt ttaaagacat ctctccaaca 180  
ttctcaaaag gcaagagctg tatttgtgac atttgtaata aatgcaacag cttttgaaac 240  
atccagtttc tttcctaagt catttgatta aaattcacac aagtgatgat tacctattcc 300  
attttctgaa aatacgacat acagtcatgt ttcgatcaac aattgaccac atatgacaga 360  
gacccataaa gattataa 378

<210> 61  
<211> 425  
<212> DNA  
<213> Homo sapiens  
<400> 61  
ctggttatgta tctgtgattt tatttcttct ttgggtatag ggttgagggg aaataagttt 60  
tgagtgagaa ataaacgttt tagctgaaat tgtatcccag aagtttgaaa taagtagtag 120  
aagaggggga aaacaaggga gaagtgggtg ggaagacttg gtagattggg gccttaagta 180  
accacctcct ttccctctct gccccatga ctctctgctc caagttacag aagggaagga 240  
aaccatttta ctctttttat tctgctcatt aatgatctga aagaagaaga tggggaaaag 300  
gggattccac cacaaggctc caaagaacca agagtgcaaa tcagtccatt tcactttcac 360  
tgtctgagat agggctctcta agaccaggat acaagggtgg aatgtagcta tatggactcg 420  
atttg 425

<210> 62  
<211> 418  
<212> DNA  
<213> Homo sapiens  
<400> 62  
gaaatgtaag tatacagatt ttaatttatt tttagaata attgtatatt ttaaaaacag 60  
gacacgtact gtatgagtaa acagcgtggc taacaccaag tccacactgg taagcttttg 120  
agaaccattt acactatgtt gacagtagta ctgctgcagg cagacagcgg aagaataaat 180  
aatagtgtt caagaagagt agtgattgag aggataggta aagagggcgc ctcatcgtgg 240  
aagctagagc aggaacacct cccagtagt gacatgtgca aagttccaga tctccacgac 300  
aaagacagct caaccactg gaacaaacag actcccaatg tggctggcaa ctgcgggggt 360  
agaagaactc aggcaaagta ggcacaggaa tgggggagat gagagccaag ggacaaac 418

<210> 63  
<211> 286  
<212> DNA  
<213> Homo sapiens  
<400> 63  
caccactaaa aaaggctttt attacaaaat gaattctaata aaaaccaggc ctggtcttca 60  
acccctcccg ctgggtagag gccctagggt gggctagggt aggggagatg ggggtggggg 120  
gccctgaaag aacagagcag gctgccctcc tctcatcagt ctcatcgtg gccctcctt 180  
tataaagggc tagaagagct cttccaaagc cccttgagag agtccccatc cttccaacca 240  
ggatccttcc aaccactgct gtcacaggac cttagcaatg ccgcat 286

<210> 64  
<211> 240  
<212> DNA  
<213> Homo sapiens  
<400> 64  
tactgctttc ttgattttat ttcaaaagta cacaaggctc caaaactaga gcaagttgtt 60  
tttcttaaca aattttgttc ttacaaattt caaaatctgc accattggat atataagcca 120  
gaaatcgtac atacaaaatc tgaaactgac actgtcagtt ctatactttg cacacgtgaa 180  
gtgtcagaat attttcttca gtagtacagg tgtattttat actaaaattc acaattaggg 240



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<210> 65
<211> 434
<212> DNA
<213> Homo sapiens

<400> 65
tttgtttaaag aatgctttat taatacaaat acacacaaac tctgaagcac taagaaattt      60
aaatatctat gtcacagcaa acaggtggca attcaacatc cagggtcgac agaatgcttg      120
aaggagactg caacagattg gattcccatg gtggagaggg catcttcaca ggtgaagggg      180
ggcccagctg aaacagcttt tcaagctctc tctcctcgtc aaggatcatg agaggcactc      240
cactcaaggg gaggtgcgca atctgggtgct cttcaggcag gtcaaaaactc tcaaagtcta      300
gaggattgaa gggaaagaat ttttctatct ctggataggc atcatctgag gcaggaacag      360
agctttttgc tttaacagtc ttctcagtc tctttttggc agaaaagctt ggctgttttt      420
gtttgagggg tccc                                     434

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<210> 66
<211> 337
<212> DNA
<213> Homo sapiens

<400> 66
ttttaaaaaat gtaatactgt ttatttaact tcaaaaacat ttcagcattc taaacataca      60
aaaaaataac agaacgttgc gaatcgtgtt taagtacagg aggttcttga actttcattg      120
atgcagtgcac tctttgcttt gctgacaatg aagagttcta tagtttgttt aaaaacaaac      180
agtttaaaaa ctaccgcact taaaaaaaaa aaatattctc atgccagctg accccccttt      240
gtccacagct aagatggcag cagaatgcta tgcactata tacagaaaca agacaacctg      300
aagctaaatg gatgccccct gcagagtcaa cagggtcc                                     337

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<210> 67
<211> 374
<212> DNA
<213> Homo sapiens

<400> 67
tttttacaat taagctatatt ttatttaaca tgtaatagtc ataaagcaac tccatatatt      60
tagttttctg atatcctaatt gtatttccac aaacctttta agtctacaat tttatatagt      120
tttccatcag ggaggcaaga tatatataat ttctttttat atttaactaa aggtttttaag      180
agggttagt ctctaaatca gtaacaatta gtcataacac catacaaaca catttaaata      240
ttcaggaaaag aggttgtaa gattattgct tagtcttata aaatggtgaa ttttaaccaa      300
attgatacct ctgtaatctt atttatgttt cctataacat catactgctt ggcaagtaat      360
gtaagttttg acat                                     374

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<210> 68
<211> 277
<212> DNA
<213> Homo sapiens

<400> 68
ttttggtaat taacataatt tattacgcaa aaaatgagaa aatatacagc aggagggatg      60
aggagtacac ataggaaatt tctgtgattt tcttcatttt gatcgtattg ctttcttgtc      120
ttcaggaggg aagatttcga cttcaaaagt aacaaaatat ttaagaagag aattcacatc      180
tttctgttct aactgggtatt cttgcattta ttttctcagc agtccagggt tctgggaaaa      240
gcttatgatt attgagaagt gtcaatgctt ctacaat                                     277

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<210> 69
<211> 463
<212> DNA
<213> Homo sapiens

<400> 69
gagttctcat tagactgggt tctaggcggg ctgctccagc tccataagga agcactcgat      60
gtcgtcatag aggctgttgg cgctggacag gcagaggctg aggctgctgc tatccaggga      120
agacacaccc tcacgctgcg tgccctctag gtgcactcgg cacagccagg gttccagctt      180
caccaggacc aggctcttct ccttgggcct cccagctgac aggtcctgcc cgaagcccag      240
gtagatggta tagcgtgggg agccacggcg ctgccgtccc ggaattccac cagctctcgg      300

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aagaagactc tgaagtcgaa gatgggggtg tcacagttcc gaggcagcag gcaggctggg 360  
gtggaggggc tggcggacta ggggggcccgc ccacctccca gtacaccttg cacttgccca 420  
tgcgccgggg gcatagttgt ggcccctcaa gctccagggtg caa 463

<210> 70  
<211> 413  
<212> DNA  
<213> Homo sapiens

<400> 70  
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ctgcttgcac ggctgacact gttgctcacc gaggttgaca ggatctgcaa agtccccag 180  
ggcctggttt cctcaggtac agagaacccc aaagaaagaa gagccagaac ttagagcccc 240  
tttcttctcc atatgggata ggacacccaa gacaaatgac ccatgcatca tgaaacagag 300  
gcagggccta agctgcccga gaggcctggg cacttggagt tcttgccaac agccaggcca 360  
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<210> 71  
<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 71  
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ctttttaaca agctcatctt taatgtggta gcaaagatgg aagggtgcgag accaaatctt 120  
accaaactag ctattttttac aggcccaataa agcaacatgc aatccccctc aacaaattta 180  
aataatcagg caactactaag aatgtatatt ccattaaact aaaataaaca aggttgaaat 240  
gtggtagaca attcactgat gagcctgtga actccacgtg aggatgtcca gtgccttatt 300  
tatctcagta accagagtac ccagcacaca agataaaaagt ggggtattacc taagtggcca 360  
ctatttttatt aataatgcac ataacatatg cttatcatta actc 404

<210> 72  
<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 72  
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gaaaagacaa ctttgtgaag atctaattac aataataaat aaaataattt atacaaggg 180  
ttttttttct tgacttttct ataggggtca tattcattaa aaagcccaa aggctacctt 240  
tgcttaacc cttctgtagt acaggaatga ttctagattt gtttcctttt gttatagaag 300  
caaattattgt ttttttaaaa tagcctgaga tgagagggtta tattgtacct caccagctaa 360  
cacactaagt ggatgacaaa ctattctctc ggtaatttat atag 404

<210> 73  
<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 73  
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tgtctttttt ctttctttat attttctat ctatttcttt ttgctcttta tctggagaga 120  
ttccctcaac tttattttcc agactgtata ccaaatactt ttagcagtct tattttattt 180  
tcaaagagat cttcttattc tcagtcttct ctttcttttc ttgcttttta agagacaggg 240  
tctcactctg tccccaggc tggagtgcag tggcaccatc atggctcact gaagccttga 300  
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atgccaccat gcttggctaa ttttttaaaa ttattttgta gaga 404

<210> 74  
<211> 193  
<212> DNA

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<213> Homo sapiens
<400> 74
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gatagtttca tgtctctcta aaggagacag gaaattggag cattgtgggc ctttttaaaa      120
gaaaagagga gtaggtaggc acaccaggt gcttctaaaa caaccaagcc caaacctgac      180
atgctcctcc cca                                                         193

<210> 75
<211> 406
<212> DNA
<213> Homo sapiens
<400> 75
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ttgagaagaa tattgcttgc aacaatggac ttggaaggag aggaatggat taggcagggg      120
tacaaagaaa tggctcctac tcggtagttc caggcacatg cccagcactc tgcagaactc      180
tcacaggggac accctctgct gcaccgtgtc cttcagccca caaagtctga ctgattttgt      240
aacaacaact tcaggtcagg aaaaaaacia atgcaagaaa atcggaaggc acaagcacc      300
atgtgatcta gaatgttctt ggggtgagga ataaggaggg aaagggatac ttttggttca      360
gcactacagt caatttcgcc attgttgaag aaaaacggta taaat                                                         406

<210> 76
<211> 224
<212> DNA
<213> Homo sapiens
<400> 76
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tgaatcccaa aacaaaggaa atttgagggg gagaggtgaa ggggtcagct agggtaaagg      120
agtgaagaag gctcagatta cccctgccat tctgccaggg cagaagggat cagagtctgc      180
ccaactgaa gcaagaagaa aggtggtcag acttcaggaa agac                                                         224

<210> 77
<211> 412
<212> DNA
<213> Homo sapiens
<400> 77
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aatatacaaa catcattgat gcacacacat tccagaaatg cagaggtatg ctgctgccac      120
ggggtagggg tgcgggaggc ggcctggcct catggcgcat gaccgtgcc cagcccgggc      180
ctggcaggta gctggccact gataaatgcc actgggatcc taggagaagc tggggaccat      240
gcgtgaggta ctgaagggga ccatggtgga tggcatcctg ggcactttgt agcttgtctg      300
agggaaaggc ctctgctgcc atagaaaagc tggacacatg tcacctggg gccctgacat      360
cctaaaatgc cccactgact accagtcact aggagaaagg tctccggcta tg                                                         412

<210> 78
<211> 408
<212> DNA
<213> Homo sapiens
<400> 78
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caaaaccaca actcagtctg ctttgggtatt gacaaaatcc ctacaactga gatattaaag      120
agatacattt atttttagagt tacataaaaac cagaatccaa cactacccta ctttcctatt      180
cctttgtggc tctgaatgca gctttaaaaa aacaaaacaa agcaaagcaa agcaaaacaa      240
aacagctctt tataatgtac aatggcttaa gcaaatcgct ttagtttttt ttctatttaa      300
gatttaggac agactactcg tctaaaattc actatttaca gagaaggctc tagggaacag      360
gataacttat ttaggttttag ctctcataat acaatatcca taatggct                                                         408

<210> 79
<211> 308
<212> DNA
<213> Homo sapiens

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<400> 79  
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 acaaaatatt gactgcatgc ctgcgaaaca ccaaaatatt cgctggaatg ccatagaaat 180  
 aaataacttc tgctataaac acatgaaaac atatcaaact gttatctctt taaacatatt 240  
 gtaaataaaa aaattaccag tacttctaca caataaatat taagaaacca ttgacatagt 300  
 tgaaatgc 308

<210> 80  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<400> 80  
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 tactcctctg aataactaga cacaaattac atagcaagtt cgtgtttctg cccacccaag 180  
 acacagccag taatcagtca caaacacaga cacagccaac tccaggggct ccagctttct 240  
 gcccatcttc tctcagcagt tcttcccatc tgctaagatg cgccttctctg gtggctctct 300  
 ctcaagggtg gtcaaggctg aacaagacag aaaagcacag tctaggtcca ccatcacctc 360  
 ccact 365

<210> 81  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<400> 81  
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 ttaaaaacaa gacgttttaa aaaattacag caaagttagc aaggcagtga ctaattaagt 120  
 cactaagttt aattttatat tcttcacagt catttcataa tcatgtaatg gtaaacata 180  
 ttttcagcca ctttgagatg aagttaactt ttgaaaagaa tagaattcta gtagtcgtca 240  
 ttgaatttta taaaagaggt ttaaaacatt aaagtttcca gaaataacac agtaaagaaa 300  
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 ttcatttgct cccaatgcct ttc 383

<210> 82  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 82  
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 cccctgccct ctaatccagg ctccaggtacc cccagtggag tatcctcaga aggcaactcc 120  
 caagaccagg agtaatgaga gattgggcag agggtaaggg acagcagggg gacggaggaa 180  
 aatgaagaca ccagggaaag aggagaggcc tgaactggac agctgatgct ttgtcctgcc 240  
 cagcaccatc tcgtcccttc ttcaggtaat atcatctgcc accacaacca ccagcaccaa 300  
 ctctcagtct ctgtgggtac atgccaggcc tgtccatttg gtgtattcca tcttctctgc 360  
 cacaatgatg acttgaggct ggatac 386

<210> 83  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

<400> 83  
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 atgacaagaa cacatacaaa tattgaaatt attcattgaa ctataaacac ttagcagagg 120  
 aagggaacttt tgatgtattt gaatccacct ccttctgaaa gcaggaatca cttctaaatg 180  
 tctctcatat ctttcttcaa ggagtgggtt tccaggaggt tcccagcctc ctcaaattct 240  
 tcccaagttt gatgcacttc acctcataaa aataatatat atat 284

<210> 84

<211> 355  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 84  
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cattcagact tttcttagca aaggtagtcc atggcaagta atgaattccc agtaactagg 120  
tctgtaacag aagtaaattc tgtttttatg tttataaact caaaaagtaa catgaagtgc 180  
aaacaccttt agttccttcc cctcggtaac cttcttttga tgaaccagtg tgcagcaaac 240  
caggatgaag ttggatttgg gtgggatcca cacaggtcat tttcaggcaa gatgagactt 300  
cccaagttcc atgnatagat tcatattatc agttatttta tgcattcatt tctcc 355

<210> 85  
<211> 429  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 85  
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atcctcaatg gtaaaaggct gaaggatttt tctctaaggc taggaacaag gcaaatgcct 120  
gctcttgcca ctctattcag catagtgtcg ggagttctag acagagcagt taggcaagga 180  
aaaggaaatc taagggcac ccaattggga aaggaggagg aggtaaaatt atctctgttt 240  
ggccaatgga tatggatttt atatgggatg gaataggaaa acccttaaag gattccnccc 300  
aggggcccngg ggnccggggtg ggcctcacgg cttttttaat tccccagcac tttgggggga 360  
ggggcccagg gtgggggngg gggttgcttt gaggggccag ggggggtttcc aggacttggc 420  
cggggggggg 429

<210> 86  
<211> 331  
<212> DNA  
<213> Homo sapiens

<400> 86  
tttttttttg atgggtggtg tctctaatat ttatttgtct gggtataaaa ttaatatgtg 60  
aggagcattg gatttgggtg gaacgttttg aaccctagct gtcacgtgcc acctgcggga 120  
tctagaccag tgacttctca gaactgccat ttctcatct ggtagacagg atggtaagcc 180  
ctgtcttgct cactccacgt atgggcagtg cagatgaaat gagatcacag aggggaagca 240  
attggcaggc tggaaagtgc tgacaaatgg aagggggtgt gtcaccaccc tcagctgagg 300  
tagtaccaag gtccaagctc ctgcccctcc c 331

<210> 87  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 87  
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acctgatctt cagaagcact atgagccagt atccatcggc gccactgatg agttccagag 120  
tgaggacagt gtcacagct agaactgacc gtccccacac ttcattctccc tccaggngtc 180  
tctgtctgac accaggggct cctcaaaatt actccttctt tcacacatgg gtgacaaggg 240  
ttctcaaaaa gaacacctgg gcagagatgc cactacagg caatgcttgt ggggtgggcaa 300  
gaagcataaa agaaccctaa tgnccaaca ccagggggaat gggattaang ccaggggggtt 360  
acccatttgt aaacaaaaac aacttccaaa acccaaccgg ttaaacnggg ggaggtt 417

<210> 88  
 <211> 412  
 <212> DNA  
 <213> Homo sapiens

<400> 88  
 ttaaagtgtat aaccttaaat atttatttga gaaaacaaat aaagatccaa atacgtgagt 60  
 tgatcatctg ataaaagtaa gagttgacaa aaaaggtaca tcttctccaa tccgaaaaca 120  
 gaaagtggga aagatcaagg tatcactaga ggtcaatgaa acaaaacata caatagtgga 180  
 tgacaaaagc caatctctga atctttgaaa agaataaat aaatgaacat ctgaaaccag 240  
 tgatcgagaa atgtttttaga taaggcacia aaagatacca agaatgttaa cactaggctg 300  
 tacatcctaa aacagtcaga tgagctcact gttataattc tggttcaccg caagaacctt 360  
 agcaciaaaga aaggactcaa caaacatttg gatccatgaa taaaattatc tt 412

<210> 89  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<400> 89  
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 tggcaaagaa acaacagttc acacacaaca tctgccacaa ttctctttga actgccattt 120  
 ctattatgtg atatttttaca atttctttca atttcttaca ttcatgggtat tcttaaaggc 180  
 agcaatgtca atttttctgc tttgaaaata gttcagttaa tgttctgaaa ttgcttaaca 240  
 tgacattttc ctttttagtat tctactgctg cccacactga cataattca 289

<210> 90  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<400> 90  
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 ataaaagaac ttaaaagaat acaacttgaa caggactggt ttactaaaat ggtcttggtg 180  
 caaaataata acaaatacca cagagagccc tacatgagaa agccatgtgc cttcaagcct 240  
 ggggatgagg actctagttc tcaaattctt agaacatagc acatgattct ccaggcagag 300  
 aggctggctg gagaatgagg acctcactgc tgactctgct taacaaagtc catgccccag 360  
 gcacaggcac acatggaatg agggcaccaa gcaagtca 398

<210> 91  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<400> 91  
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 cataccttgg ccaccggca gcagtgccca gcatccctca atgacagagc agccaggacc 180  
 ccagcgggtga ctgtcccaga ggacctacag gggcatgggg ccaaagctgg gtctctgcacc 240  
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 acatctcaca taaaaatctg tatttctggc ttctccagat ttctgtcatt aggcctgcat 360  
 tcccacacca gagcaattag ctacacctga atatggcagc g 401

<210> 92  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<400> 92  
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 ccatacattg gatgctggat gacgtggcta gtagcattaa ttctaccttt gtacagtgga 180  
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cttcgtataa accctgaaat gttcccagat gttggaaggt tccctctttg aggagatgtc 300  
 tgaaatagtt cacaaagaac ctgtgccatc agcttttgat tattaggatg gcatgaaatg 360  
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 c 421

<210> 93  
 <211> 108  
 <212> DNA  
 <213> Homo sapiens

<400> 93  
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 aagccctgcc ataccctcc cgagtctaataaaaacgtata atcacaaa 108

<210> 94  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 94  
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 taagtattta ttaaggtgag tttttacaaa caagcatcta tcccagtggtg cgggggtgagg 180  
 atgggagagg agagtggggc agcaggaaga tgaggattct catcttttga taataaagct 240  
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 gtgtaccact ttttcaggac aatcttggtc caacgggggtg ccagtttagg gctgcaatca 360  
 gcttcttaag ggtccccgat gggnatcanc cctgttgcca tttaacg 407

<210> 95  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 95  
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 agaaaaatca tacagcttaa gagatacagt ggtaaagggtc ctctccatcc tttgattaca 180  
 gcttgactc tgtactcaat agaacttacc gcacttactg aaataagaaa taaacacttt 240  
 ttagtactca gcgtatttaa gattaagtac attttctaag aatcttgcaa tgacaagttg 300  
 gtgacccttt agctgctaaa gctaaaggga ggaaagtggg aaaaggaaat taactaatat 360  
 tttgtaacca tttttaatat ttcntatttt ccaaacactg cttttataac agaagtgttt 420  
 tacacttggc acaatattaa ttacttg 447

<210> 96  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 96  
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 accagaaata accagtccaa agactacatg caccatcc aggtgtggag caggctttgt 180  
 ggtactatgt aataaacatc aacacaaaga 210

<210> 97  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<400> 97

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caaagctttt gccatgtgat tctgccccca caaaggcatc ggtatttcct aaatgggtacc      180
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<210> 98
<211> 488
<212> DNA
<213> Homo sapiens

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<400> 98
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agaggcgctc ctacttgcc agacgggggtg gcggccaggc agagggtgctc ctactttcc      180
acacggtgtg ggggccgggc agagggtgctt ctgagttccc agatgggtgct gggctgtcgg      240
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cctcagcagg aactccccct gggccccact ctgtgacctt gagcccaaga caggattttt      420
cctttacctt cttccagcca ctttgggcct cccggctctc tcagaagccc tgttaggtag      480
gtgacaac                                     488

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<210> 99
<211> 484
<212> DNA
<213> Homo sapiens

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<400> 99
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ttacagtaac ctacttgcat ttgcatttaa ctgagctctg ttgctgtgaa gaatacagct      180
catgcacagg tatggatgaa agatttgtac atttctcaag tattcactga atactacctt      240
atatacacat atacattaaa tttgaaaaag atttgacgat cccagataa acttcatttt      300
tgttgatctt ttggaagagg tgcgtctaaag agaagaatat gtggttcttg ctcatgaatc      360
atggtaatga acccagccta gactctgttg gacaccaagt ctccctccact cctcttcaga      420
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<210> 100
<211> 401
<212> DNA
<213> Homo sapiens

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<400> 100
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cttctttctc actgtgaggc agaaacaaat ttatctgtat gtaaactttt ccagtaatgg      180
gtgatgctgt gacacctgca gaaagcagcc tccctctgtt actactataa acaccattc      240
tgcaggcagt gtgagggcac agccttcttg agtgccacac ctgggtacca cggcacactg      300
gtgcatcccg ggaagatgtt cctagggcac cacatcttgg gtaccaagag gactgtgtgc      360
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<210> 101
<211> 533
<212> DNA
<213> Homo sapiens

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<400> 101
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 <212> DNA  
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 <212> DNA  
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accactccc	caggagagac	cagacccaaa	atctgtctcc	cagatagccg	agcccacagg	180
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 <212> DNA  
 <213> Homo sapiens

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 <211> 494  
 <212> DNA  
 <213> Homo sapiens

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aaattttttt	tgtttgcttc	acattcataa	aaaccccaat	actgtaaatg	acaaataacc		240
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taaaatactc	gaaggccttc	aggatccttt	gacggattta	catcaataag	agaacctatt	420
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ccggagagt	gagagtccgg	tgggggggtc	ccaagcccag	ggtggacgag	gaaaagggtca	180
ggaaatagag	gattgtcctg	agccctcctg	gccatggggg	ccgacccagt	gggcactgag	240
g						241

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 <212> DNA  
 <213> Homo sapiens

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ccaggatggg	cccttgacaga	gagggaggag	aggcatgggg	cctgcagctg	cccacaaggga	180
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accaagggcc	aaagtcacat	ggacagggcc	agagaaaggg	actggggagg	tggaaagcag	300
gcagaagcag	gctcaggagc	ccgcagttag	ttaaactgtg	cttctcaagg	cggcctgggg	360
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<210> 108  
 <211> 253  
 <212> DNA  
 <213> Homo sapiens

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cagccgcccc	gccctgggtg	tttctctcag	gaaaggcctg	gtcagtgaat	gcctgcaggc	180
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tgtcatgaag	tca					253

<210> 109  
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 <212> DNA  
 <213> Homo sapiens

<400> 109						
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<210> 110  
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 <212> DNA  
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<400> 110						
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 tctttatcaa tccctttaca ttcaatactt atactatgac caactgacct atgaccaacg 300  
 ttcaagtggg tactttcaga agtaaaactgg ttctttccaa cagattcaga aatttcttcg 360  
 attagtcttg tagtagaact taaaagtaat ggattaggag ccaactgtga agaagtttca 420  
 gggggacttc tgggttaaagg attaacagat acagtaggtg atggggaagg gaagatgctt 480  
 tccccaagtg cccgaagggg attaggggta aatacccca 519

<210> 112  
 <211> 347  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 112  
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 tggagtcccg gtgacaccac ggggcacact gagggagctg aggagccggg gccgcgcasc 180  
 tcctggdtgc tcagcggatc gtgtacttkt cccacttctt ttcagggtcg tagggttccc 240  
 agcggctggc gggaaagatg tgcttktttc tctcgtacca gctcctcagc accaccttgc 300  
 ctgcatgggr ctcatccttc tccacagtgg gsgtcactga gcaaccg 347

<210> 113  
 <211> 387  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 113  
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 atctcaaagn gctagtagca gctgctatgc aaagttctaa ggcccagagtc aaatcctggg 180  
 catctccaca gatgtgtggt agggcacagg ctccagctct tgtgtaagaa agancaggan 240  
 tgagancagc tttattttgt aggcgccaag gtctcactat gctcacacct gtaatccag 300  
 ctttgagaag aggatctggg caccagaagg gtctgggtag gaaggaaagt ggggaaaggg 360  
 tgaaggncag ggaatctttt cccttct 387

<210> 114  
 <211> 353  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 114  
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 tggcactcct cccggggngg gntnccagcc cccaccctct cagccctcc cctgccagct 180  
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<210> 119  
<211> 344  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

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attaaagaga ggattagcaa agataattga agtctactta taatttcaaa tttccatttt 240  
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<210> 120  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

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<210> 121  
<211> 404  
<212> DNA  
<213> Homo sapiens

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<210> 122  
<211> 431  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 122  
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 <212> DNA  
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	tggcgggtctt	tttttttttt	tttttttttt	ttttttggga	cagtcttgct	ctgtcgccca	240
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 <212> DNA  
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<210> 165  
 <211> 1172  
 <212> DNA  
 <213> Homo sapiens  
 <400> 165

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<210> 166  
 <211> 1550  
 <212> DNA  
 <213> Homo sapiens

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 <211> 1585  
 <212> DNA  
 <213> Homo sapiens

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<210> 168  
 <211> 627  
 <212> DNA  
 <213> Homo sapiens

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<210> 169  
<211> 2161  
<212> DNA  
<213> Homo sapiens

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<400> 169
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<210> 170  
<211> 2824  
<212> DNA  
<213> Homo sapiens

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ttgt 2824

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<210> 171
<211> 2247
<212> DNA
<213> Homo sapiens
<400> 171

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 <212> DNA  
 <213> Homo sapiens

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 <213> Homo sapiens  
 <220>

<221> misc feature  
 <223> n=a,t,g or c

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<210> 183  
 <211> 696  
 <212> DNA  
 <213> Homo sapiens

<400> 183	ttcccccccc	ccccccccca	gcacaggaca	cagctgggtt	ctgaagcttc	60
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	gtgactgtcc	tgtctctcct	catgctagta	gctgccttct	gctctccagc	180
	ccaatgggct	cagaccctcc	caccgcctgc	tgtttttctt	acaccgcgag	240
	cgcaactttg	tggttagatta	ctatgagacc	agcagcctct	gctcccagcc	300
	ttccaaacca	aaagaagcaa	gcaagtctgt	gctgatccca	gtgaatcctg	360
	tacgtgtatg	acctggaact	gaactgagct	gctcagagac	aggaagtctt	420
	cacctgagcc	cggatgcttc	tccatgagac	acatctcctc	catactcagg	480
	gcagttcctg	tcccttctct	taattttaatc	ttttttatgt	gccgtgttat	540
	gtcattttcca	ttattttatat	tagtttagcc	aaaggataag	tgtcctatgg	600
	ctgtcactgt	ttctctgctg	ttgcaaatac	atggataaca	catttgattc	660
	ccataataaaa	acttttaaaat	aaaatgcaga	cagtta		696

<210> 184  
 <211> 860  
 <212> DNA  
 <213> Homo sapiens

<400> 184	gactctcact	gtcattgcag	aaaactcttc	tacagaaatt	actctcaaag	aaacctgagg	60
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	aaaatgaacg	acacacatgt	tagagccctt	ctgaaaaagt	atcctgcttc	tgatatgcag	180

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cttctttttg	cttcaaaaac	attctttacat	tttacttttt	cctggctcat	ctctttattc	360
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agtcttggct	cactgcaact	tctgcctctt	gggttcaagt	gattctcctg	cctcagcctc	480
ctgagtagct	ggattacagg	catgtgccac	ccaccaact	aatttttgtg	tttttaataa	540
agacagggtt	tcaccatgtt	ggccaggctg	gtctcaaact	cctgacctca	agtaatccac	600
ctgcctcggc	ctcccaaagt	gctgggatta	cagggatgag	ccaccgcgcc	cagcctcatc	660
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aaaaaaagtg	atgtacaacc					860

<210> 185  
 <211> 924  
 <212> DNA  
 <213> Homo sapiens

<400> 185	cgaccgcgga	gcagcaccat	gtcgggcgccc	gcggccaaag	tcagtaaaaa	ggagctcaac	60
	tccaaccacg	acggggccga	cgagacctca	gaaaaagaac	agcaagaagc	gattgaacac	120
	attgatgaag	tacaaaatga	aatagacaga	cttaatgaac	aagccagtga	ggagattttg	180
	aaagtagaac	agaaatataa	caaactccgc	caaccatttt	ttcagaagag	gtcagaattg	240
	atcgccaaaa	tcccaaattt	ttgggtaaca	acatttgtca	accatccaca	agtgtctgca	300
	ctgcttgggg	aggaagatga	agaggcactg	cattatttga	ccagagttga	agtgcagaaa	360
	tttgaagata	ttaaatcagg	ttacagaata	gattttttatt	ttgatgaaaa	tccttacttt	420
	gaaaataaag	ttctctccaa	agaattttcat	ctgaatgaga	gtggtgatcc	atcttcgaag	480
	tccaccgaaa	tcaaatggaa	atctggaaaag	gatttgacga	aacgttcgag	tcaaacgcag	540
	aataaagcca	gcaggaagag	gcagcatgag	gaaccagaga	gcttctttac	ctgggtttact	600
	gaccattctg	atgcagggtc	tgatgagtta	ggagaggtca	tcaaagatga	tatttggcca	660
	aaccatttac	agtactactt	ggttcccgat	atggatgatg	aagaaggaga	aggagaagaa	720
	gatgatgatg	atgatgaaga	ggaggaagga	ttagaagata	ttgacgaaga	aggggatgag	780
	gatgaagggtg	aagaagatga	agatgatgat	gaaggggagg	aaggagagga	ggatgaagga	840
	gaagatgact	aaatagaaca	ctgatggatt	ccaaccttcc	tttttttaaa	ttttctccag	900
	tccttgggag	caagttgcag	tctt				924

<210> 186  
 <211> 1774  
 <212> DNA  
 <213> Homo sapiens

<400> 186	gaggcaatgg	ccggcaacca	gctgtaagcg	aggcacggaa	gacatatgct	tgtgagacaa	60
	agggtgtctct	gaaactatgg	atggtacaag	aacttcactt	gacattgaag	agtactcgga	120
	tactgaggta	cagaaaaacc	aagtactaac	tctggaagaa	tggcaagaca	agtgggtgaa	180
	cggcaagact	gctttttcatc	aggaacaagg	acatcagcta	ttaaagaagc	atttagatac	240
	tttccttaaa	ggcaagagtg	gactgagggg	attttttctt	ctttgcggaa	aagcggttga	300
	gatgaaatgg	tttgacagacc	ggggacacag	tgtagtgggt	gtggaaatca	gtgaacttgg	360
	gatacaagaa	tttttttacag	agcagaatct	ttcttactca	gaagaaccaa	tcaccgaaat	420
	tcctggaacc	aaagtattta	agagttcttc	ggggaacatt	tcattgtact	gttgacgtat	480
	ttttgatctt	cccaggacaa	atattggcaa	atttgacatg	atttgggata	gaggagcatt	540
	agttgccatt	aatccagggtg	atcgcaaattg	ctatgcagat	acaatgtttt	ccctcctggg	600
	aaagaagttt	cagtatctcc	tgtgtgttct	ttcttatgat	ccaactaaac	atccagggtcc	660
	accattttat	gttccacatg	ctgaaattga	aagggtgttt	ggtaaaatat	gcaatatacg	720



```

cacgctgtgc gtgagctgcg acggcaaggt ggagcactac cgcacatgt accatgccag 540
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cctccaccga aaaaaaaaaa aaaaaaa 2187

```

```

<210> 189
<211> 257
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 189
tttttttttt ttttttcata aatacacaaat tttatttgct atttccaggg gaaacttagg 60
cattaaactg taagctgata aaatacgata ctaaaaaaag tataaaagta taaatatccc 120
cttagaataa attttagtga attaagtctt aatatcttta aattaaaaaa accacaagcc 180
tatctactat gtcaagggtc aaaatcaaac aacgctaagc ggccancagc tccccagaga 240
ggatgccag gagcccc 257

```

```

<210> 190
<211> 567
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 190
tggaataatg gcaacagaaa gactggctaa ctacaccgga gcatctatgc naataccagg 60

```

```
acaccacata tataaaccat gtcgttttccg tggctgggtg gggcatcagt gatgggactg 120
agtactggat tgtccggaat tcatgggggtg aaccatgggg cngagagagg ctggctgagg 180
atcgtgacca gcacctataa ggatgggaag ggcccgagat acaaccttgc catcgaggag 240
cactgtacat ttggggaccc catcgtttaa ggccatgtca ctagaagcgc agttttaaga 300
aaaaggcatg gtgacccatg gaccagaggg gatcctatgg ttatgtgtgc caggctggct 360
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gtgttcctga gagttgaaag tgggatgact tatgacactt gcacagcatg gctctgctca 480
caatgatgca gtcagccacc tggatgaaga gtgacctgca acacaggnaa ccgatgggac 540
ctcagtcttc ttcagcagag gactttt 567
```

```
<210> 191
<211> 456
<212> DNA
<213> Homo sapiens
```

```
<400> 191
catatatata tgcagtctgc ttgattatca gcaaatgggt cagcctttat cagatagttt 60
cttcatgtgg agttcatctg catgtggccc ttactctgaa gcctcttcct gatctggagc 120
cacagtctgt ctgtcttcca gttcatctca gtcctcgaga aaggcccttt aaatatgtca 180
ctttccatt ttctttaaac catgggttgt gtgagccaga aagagctttg agaaagatgg 240
ctgcttccac cagggtggag gcttctaggt ctgcatgatg atggggcccg tttctggcca 300
gagggtggct ctgggagcag ttgtgctgcg ggcttgctgg gggagaactc taactgttgc 360
agaaacagag cttcatggct tgcttaatt acttagctgg aatattttta agtgtcagat 420
aatgtgatgt acaaagagag tatgccgatg catttc 456
```

```
<210> 192
<211> 485
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 192
tttttttttt tttatttttg cttaaatttta ttttcaaagt ttcaaacctt tccaattttt 60
ttttattttt taccctaaaa aaggtatcaa tacttttcat tccactcttg tcaactttag 120
ccaaagcctt ctgagctgca gtcattttgc tatttttctt ttcagtcttc aaatctttag 180
tattaaactt agtgaatct tcttttgctt ctacaggctc atctgataac tttattttct 240
ttgatggagg atttggaat gaggtgaag gttctggaag cttaagat ttagataagt 300
catcacttaa ttcttttagg atgtagtcag atatcagacc atgggcataa cgaaatataa 360
tcctcttcct tgtcagtgga agcttggtca ccagagaaaa atgcagtgac tgtaccggg 420
gaactggaca ttcacattat tgggntttta atgctgccac agtttgatta accntttttt 480
tccaa 485
```

```
<210> 193
<211> 297
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 193
cttttttttca ggttaaatat ataattncaa gtgcttttaa tgaacttatt ttttaattggc 60
tagggagcaa aaaataagtn agtnctgctt ttagttagtt aaccttgctt ttttcttaaa 120
tagtacactg catgggtatt aatattccag gaagcatggg atttnatttt gcttgatttg 180
ggcacatgaa ataatagctc taggaaaatg cgcactctta tgactctttg taaagagagg 240
catttcttac aactgtgatg tttgcttaca taaaagttac ctcataagtt aattcta 297
```

```
<210> 194
```

<211> 1522  
<212> DNA  
<213> Homo sapiens

<400> 194  
aaaagaggaa accaaccctt aagatgagct ttccatgtaa atttgtagcc agcttccttc 60  
tgattttcaa tgttttcttc aaagggtgcag tctccaaaga gattacgaat gccttggaaa 120  
cctggggtgc cttgggtcag gacatcaact tggacattcc tagttttcaa atgagtgatg 180  
atattgacga tataaaatgg gaaaaaactt cagacaagaa aaagattgca caattcagaa 240  
aagagaaaga gactttcaag gaaaaagata catataagct atttaaaaat ggaactctga 300  
aaattaagca tctgaagacc gatgatcagg atatctataa ggtatcaata tatgatacaa 360  
aaggaaaaaa tgtgttgtaa aaaatatttg atttgaagat tcaagagagg gtctcaaaac 420  
caaagatctc ctggacttgt atcaacacaa ccctgacctg tgaggtaatg aatggaactg 480  
accccgaatt aaacctgtat caagatggga aacatctaaa actttctcag aggggtcatca 540  
cacacaagtg gaccaccagc ctgagtgcag aattcaagtg cacagcaggg aacaaagtca 600  
gcaaggaatc cagtgtcgag cctgtcagct gtccagagaa aggtctggac atctatctca 660  
tcattggcat atgtggagga ggcagcctct tgatggctct tgtggcactg ctggttttct 720  
atatcaccaa aaggaaaaaa cagaggagtc ggagaaatga tgaggagctg gagacaagag 780  
cccacagagt agctactgaa gaaagggggc ggaagcccca ccaaattcca gcttcaacct 840  
ctcagaatcc agcaacttcc caacatcctc ctccaccacc tgggtcatcgt tcccaggcac 900  
ctagtcatcg tccccgcct cctggacacc gtgttcagca ccagcctcag aagaggcctc 960  
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aagatagaaa ctgtcttttt caataaaaag cactgtggat ttctgcctc ctgatgtgca 1140  
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tctcctcaga gagctccatc acaccagtaa ggagaagcaa tataagtgtg attgcaagaa 1320  
gtgtagagga ccgagccaga aatcttagag atttcttgct ccctctcagg tcatgtgtag 1380  
atgcgataaa tcaagtgatt ggtgtgcctg ggtctcacta caagcagcct atctgcttaa 1440  
gagactctgg agtttcttat gtgccttggg ggacacttgc ccaccatcct gtgagtaaaa 1500  
gtgaaataaa agctttgact ag 1522

<210> 195  
<211> 408  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 195  
atcgcttgag gccacgagtt caagatgagg ttggcaacat agtaagacct catcactaca 60  
atTTTTTTTT ttttaaatta gtgaagtgtg gtactgcaca cccgaagtcc cagctacttg 120  
ggaggctgag gcaggaggat tgcttaagcc cagaaatttg aggctgcagt gagccatgat 180  
tgcaccacta tgctccagag tctaggcaac agagtgcagc cttatctctt taaaacaaac 240  
aagaatgaag ttaggtatct gtttatttgt ttgagccatt tgtatttctt tttttgtagg 300  
actgtcctgt ttnaaacggt aaaatcactg ctgtnggttt tngattttta catctcagct 360  
gggatgggca ccaattaaat tatttnaggc cctggtttat tgnaaaaat 408

<210> 196  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 196

```

actcctcttg ctcgtcatgt ctggccgcgn aaaggcggga agggctcttg caaaggcggc    60
gctaacacgc gtnaaagtac tgcgcgacaa tatccagggc atcaccaagg ctnacatnnc    120
gcactttgct cgccgctgcy ctgganagcy attctccggc ctcatctacg aggagactcg    180
cggggtgctg aaggtgttcc tggagaacgt gatccgggac gccgtgacct atacagagca    240
cgccaagcgc aagacgggtca ccgccatgga tgtgggtctac gcgctcaagc cagggggccgc    300
accctcttac ggttttcggg gggtgagcgt ctttttctta ccaattaaaa ggcccttttt    360
cagggaacc ctttaaaaaa aa                                         382

```

```

<210> 197
<211> 839
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 197
gnnnnnnnnnn nnnnnnnnnnt tnttgagnac cgcagtngca gcagcagcag ccgctgncgc    60
aaacaagccc tcccacgttt gaggggagtc atgagccgtt tcctgaatgt gttaagaagt    120
tggctgggta tgggtgtccat catagccatg gggaacacgc tgcagagctt ccgagaccac    180
acttttctct atgaaaagct ctacactggc aagccaaacc ttgtgaatgg cctccaagct    240
cggacctttg ggatctggac gctgctctca tcagtgttc gctgcctctg tgccattgac    300
attcacaaca agacgtctta tcacatcaca ctctggacct tcctccttgc cctggggcat    360
ttcctctctg agttgtttgt cttatggaac tgcagctccc acgattggng tcctggcanc    420
cctgatgggt gnaagtttct ccctcctggg tattgtgggt ggctccngta ttttagaagt    480
agaaccagtt ccagacagaa gaagagaact gaggcagaat atcaacccca ggggtggatca    540
antgggttac aagtgggttna aaannnnnnn nnnnnnnnnc nnnntnntnt naannnnnnn    600
nnnnnnnnnn nnnnnnnnna nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    780
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```

```

<210> 198
<211> 470
<212> DNA
<213> Homo sapiens

```

```

<400> 198
cgaaaaaagg aacaaagcgt tactgaaaag aaggtaacct ttgttgatg tgggccttag    60
ctccaggtcc agactactac tctatgttct ccagaagggt gctaagtcac ctactgaaga    120
gagaaccaac tgactttcct attgactcat caggaaccag tcctcagtct ggtcaagttg    180
tttcttattt gtgagcagtt caggctatct cctgatgggg atgaggccaa ggctttctta    240
tcttttggtt gtctctgctt aatggaggag cctggcctag gatggaggcc tggcttagat    300
ctttcattcc acctcaggaa tgaggttggt atctttcctg tcctgacct ctctgaatta    360
tgtttcaata gtactcttga ttgtctgcca tgttggtgaa gcaaatgaat tattttttaa    420
tgttaagtaa gtaaataaac cttagcccgt caaaaaaaaaa aaaaaaaaaa          470

```

```

<210> 199
<211> 275
<212> DNA
<213> Homo sapiens

```

```

<400> 199
cctcttggtt tctgcagagg atcagctggg cctgtccctg ctcagcctgg agcagctaga    60
atcagaggag acgctgaaga ggatagagca gattgctcag cagctctgag tggggcgggt    120
ggggccataa acggttcctg gtgactcctg agtcttgctt ggccctggtt ccagcggcg    180
gtggtgctag aaggtcttat gaagtcaggt gacatttctc actgtcacgt ccacagcctt    240
taatcgcagg agaaggcagc tatccaccag gtacc                                         275

```



<210> 200  
<211> 738  
<212> DNA  
<213> Homo sapiens

<400> 200  
aatacagcgc attcaacttg caaacaccct tccactccca caaagagcaa gctgtcactg 60  
gccaatcaaa acaatgaacc ataatgaaac agtttttctt gctccacca ctcggtgacc 120  
aaatttgaaa aaaaaaaaaa accgcgcca ctcatgttgt tttcaatcag gtccgccaag 180  
tttgtattta aggaactggt tcagttcata ctttccactg cgataggaat catgtctggt 240  
cgcggaag gcggaag cttggggaag ggtggtgcta agcgccatcg taagggtgctc 300  
cgggataaca tccagggcat tacaaaaccg gctatccgcc gtttggtctg gcgcggtggg 360  
gtcaagcgca tttccggtct tatctatgag gagactcgag gtgtgcttaa ggttttctta 420  
gagaacgtta ttcgagacgc cgtcacctat acggagcacg ccaagcgcaa aactgtcaca 480  
gccatggatg tagtatatgc cctaaaacgt caggggcgca ctctgtatgg cttcggcggc 540  
tgaatctaag aatacgcggt ctctgagaa cttcaaaaaa caaaaaaacc caaaggccct 600  
tttcagggcc gtcacaaaag tcgtttaaag agctgaaatg cgttgcgaga atgagtttg 660  
atgacagaaa taaccgtgac agcctgcata agaataat gtgtttgcca tgaccggcca 720  
cactgtgaca aaatttca 738

<210> 201  
<211> 446  
<212> DNA  
<213> Homo sapiens

<400> 201  
aactgaggca tcatggcagt ttaatagtga ggtatttaat tgcattttta taaaaaacat 60  
tgcaaaacaa agtgacaata gggacctaaa ttctttggac ttacggtaga gatgcttgag 120  
gacctaata ttctacttct gccaacatgt caggtaggaa gtcacaaatg ttccccataa 180  
gccattacaa actggctaag gaaaatcagt catgactaag tccttgtctg catcacgctc 240  
ctgccccctc acacactgtc tgagcgtgca cttttcttct gaaggctaatt ttatgaggca 300  
ttctgacctga gtcagggcta ttgctaagtga gaagggttga tgaacctccc agtagaaaat 360  
gcaaggcctg caaaaatgcc gaacagctcc gatttactat gggcttataa tcaagggcaa 420  
actatacaat aagagggttg gtattt 446

<210> 202  
<211> 469  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 202  
actgtgataa aacatacaca gtttacaaga atatgaaatg ctttactaat tcgtgtgtca 60  
tccatgctaa tcatctctct attgttccaa ttttagtaca ggtgcttttg aagtgggcac 120  
tcttaatttt ttgaacattt tctaggtttc tgataccata ctcatctgt gtcttaccta 180  
tcacaacccc agaatcagcc atttctccaa attcctttta gtggagagtg gtatttagaa 240  
accaggatct ggacaccatt tctctttttg ttattgttgt ttgccttgct ttaatgatag 300  
ctctttttat taatttttcc attattataa aagatggcca aatacataca tttctatgga 360  
aatgaatca agtcttatnt attttacagt taaaatttca ttattcctat tttaactgat 420  
aaaccagttt aattttcaag atgtattaaa gtctcccaca attgtattc 469

<210> 203  
<211> 442  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 203

```

gggtgttccct gagcgggttgc tgcgggtgat ggatactctt ctgatactgg ctcttcgtgc      60
tataatttct tttctcacca agagcaggtg ccctttcaga agggaatggg antngagggg      120
gggtcacaga aacacctcgg cactggggga aacgtggcct agcctctgng ancggcganc      180
agcggccgga anactggtgg gctgcgggcc ggcgcggtt cannaggctt cttttccgc      240
ggacggagac actngtacag cccaagtctc gagnaacgc caacgccgac gccttctcca      300
acaaaagatg gcctcggact caagagtgcg gctccagggc aatgcagccc caacctaaag      360
atttagaggc ctcccgtttc gctggccccc agagccgncc accgcgactg cacttcccca      420
ncgataaaaag gtggtttcca an                                         442

```

```

<210> 204
<211> 428
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 204
tttttttcag taatacagat gtctatttta ttaaaaaagt tacaaacagg tggactgcag      60
ggtcgtctta caaatgaca agaatgaaat ctattggaaa aattttactt ttacaaatct      120
ttataggtaa ttgttcaatg tttgtacttg ttatttgaga ttttaccttt cactgataaa      180
gttacagtac attagatcca tgataatagg ttacattatt ttatttgcag agccctactg      240
cagtgatttg aacaactcct aaatagatgc cataataaag acaagacata tattgcattt      300
aatattaatt tattatccta ataagcaaca tgcaatctat tgaggaagct aaaataactt      360
ttggtccctt ttcttaaaat gtgctggaga aaccaccctt aaaatcactt tccccggat      420
tccngcga                                         428

```

```

<210> 205
<211> 413
<212> DNA
<213> Homo sapiens

```

```

<400> 205
tacagagaat ataaaaatac attcacttta ttttagaaaa atgaagactc atagagtaag      60
cttatcacia actggcctat taggagtcac agaattcaca ggaaacaatt tctgaagacc      120
agggtgcctgc tgccacctct ccaagcaggc cagagtccag tagagaatgc gattcaggaa      180
gatggctcct cagagggcag ggaggttagc tacggaggcc gctcacgtgg aaatgtccag      240
tgaaccaatg ccaaggaaga agataaaatt ctctggggct gaccacaaca gtgggggtgg      300
ataaagacaa accacttgcc tgtacttctc atcttctatt tgttcatttc actgctggaa      360
ggtgacctct tttcccctaa tcttctttca acccagagag ttttaagtct ctc                                         413

```

```

<210> 206
<211> 422
<212> DNA
<213> Homo sapiens

```

```

<400> 206
tgatgcttgc agagaacccc aataacttga tcttcaagac gggaattact tctgattaca      60
ctctgagaat atctgtcatc tgcctttgac accttataag ttgattcttg agcattaatt      120
tctccatcag atagcctttg ggttgatgac tcaagagatg cttgtggctg caacacctgt      180
aactcttgca ttggaaaacc atcttcttgc tttgaagatg gatacacatc tgagtcaagc      240
tttctttcag cataagactt tgggtcaggg gaaagttatg ttattttgta atgtctgaca      300
atgagtagag ggatgcaaaa agattgatga ctggacagca ggcaaaaact tctgggactg      360
ggggagatga tgactcttga gtctgaacat tttgggaaga atgcatagaa atataattct      420
gg                                         422

```

```

<210> 207
<211> 388
<212> DNA
<213> Homo sapiens
<220>

```

<221> misc feature  
<223> n=a,t,g or c

<400> 207  
aagattatac gaangattta ttgatactgg ttaacatcca ttatatacag gtagaaactt 60  
tcaaaattgt acaaagaacc attaatgata ttgataaaga cagttttaca gacaaaacaa 120  
ctggaaaata gttttaacat acacaatata taattatgaa aaaaatgtag aacacatatt 180  
gttctaccag ataaatccca aggttattaa aagtctgcta tgcagacctt taagttgaaa 240  
aatgtgttca atggagttac atgggttttag aaaattaagt ataatgttaa aattaagctt 300  
ttttttctca ttgcaatttg ggagaggaac tgagacaact tttttacccc aaatctatac 360  
agtttgaaaa ataatttata tgtctagc 388

<210> 208  
<211> 421  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 208  
tttttntntt cattgctcag gtaagaattt attaatgcaa tttaaactan acattactac 60  
cattgcaaaa gcatttgctc tgaaaaggga ctgaaaaatg catcataaag ttacatagtt 120  
cagcaacaat atcaatattg attatataaa gtaaaactac tggcaaactg catttaagct 180  
taccctgtaa tttttaataa ctttataagg agcaaatgtg tcaccttaa aatgtaccag 240  
tggcatttac aaattccttc aaactcattt acaaatacag taataaaaaat tcctgagctc 300  
ccttttctta caccagtatt caccaatcaa catccatgag gtgttttatt tgaccacat 360  
cctctttcct tttcttaaga aaatatttta tcacattcgt aaaagtatct gtgcttcang 420  
t 421

<210> 209  
<211> 211  
<212> DNA  
<213> Homo sapiens

<400> 209  
tttttttttt tttttttcac cattatttgt taattttatt ttgattttta aaaggcatta 60  
ttcagtgtac aattaacaaa gaaatcagtt ttctactcta ctgtacttag gatgcttcaa 120  
aaacatcagg tgaaatgatc tatgctttta gagccagaaa actcaggcct cagcaactaa 180  
aacagagaat tccaaaattg taattacaaa t 211

<210> 210  
<211> 415  
<212> DNA  
<213> Homo sapiens

<400> 210  
ttcttgcttt ctttaaactt ttattttaaaa gtccatgcta ataatgtgtt tacattttta 60  
cagttacatt atgatagaaa ctgttggtt ttttaaatat ctaaaacaat ggcccactga 120  
agaaaggaac aattaactct ttaattaatt ccttaggata aataccaga aatttaacag 180  
ctagggcaga cttctaatac aataccgaaa gtccttccaa aaaccaagtg gttgccaact 240  
tatgtccctt agcattataa cattcttgag ccaatagtgt aaaaatacgc tgacaatttt 300  
ataggcaaac attactcaag gtatcttact ttccacttat tactaaaggt aattaacccc 360  
taaatagatg ctctcaaca gtgggactac atcctggtaa acctatcata agttg 415

<210> 211  
<211> 637  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 211

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gaattgtgaa gctgtttatc aaatgtttta gagaattttac acaagaatgt tttgacccca    60
caaaaaataa tgtgcctaag ctttaaacia aattcacatt ttatttagat tgaaataaac    120
tatacaaaat tgattttctt caccaaaaat aacagcaata ttttccatat ttttctagat    180
aaaccacaac acttattttg taggttttcc aggttttgct tataaatcaa gatgaggcag    240
tatataagag tcatggaaaa agacagagaa aaaaaacaga caaatcagtt gtcagtatcc    300
atggcctctg attctgtctc aacctatgaa cagaagtgtt caacatatac ctgctaaaaa    360
gcttaggaag atgtaggctc caciaaggaa tgtaaacagc aacgagatgt ggaacaacag    420
caggcttttc cattcaaact ttgtcatttg tttcctttta gttcaagaaa gaccaaactc    480
acactggaaa tccctgtttg ggtgagctca caagcctttt ctccgggtaa tttcctgtaa    540
ctgtccaggt atagattttta accatacctt aaaactccct attagtcaag gnccaattgt    600
gggcttcncc tacacatttt ataaatggta tccctcc    637

```

```

<210> 212
<211> 261
<212> DNA
<213> Homo sapiens

```

```

<400> 212
gagggaaaga caaaacgtat ttattccagg ccaggcttta aaatgcacac tgcacggttc    60
cctgttggtta tcagcaccag taaggaaaga acgtgcctta acggcagccc caccagagc    120
ctgctgcgtg gctgctgtga ggctcccat gaatccacgc agtcttcttc ctactgggtg    180
cagttgggtga ggttttctac cctcacagca aagggatcct taactataaa ttcacgggat    240
gcagagaaga ggacagaatc t    261

```

```

<210> 213
<211> 445
<212> DNA
<213> Homo sapiens

```

```

<400> 213
tttttttatt gttttatagt tttatttttt ttaaatgaca gttacaagtg cttttccctt    60
gatgggcaat gagtaacta ttttcagtta ttagtaatgc cttaaaaagt aacagcattt    120
tgtctaaact gaacttatat aattgcacaa aagtcatgga aagcattaag aaatgctggt    180
aaagattgaa gttttctcag attcttgctc aattccaaga agccttgatt ccagtgggtc    240
ctctgattca aacaataatg atgctcaaac tcagtgcacac acaggtagag aacagcagca    300
caaccaggag aacctatgtg gtttgtaaca gtgaaattct gctctactgt taaggtttaa    360
tgatgcattc attcatcttt tcattaggag cataaaaaac acctcaaatt atattttctc    420
aggcttaaaa cttgttttga gctat    445

```

```

<210> 214
<211> 466
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 214
gagcacaag gtccacttta cttacatgaa ggaacataaa ggcattgagaa acagtcattc    60
caataaatgc aagacatgag cataaaagag gttctctgcc tttccagcgt tgttattaca    120
gagagaaacc tacaattatt ttgttaaaaa aaattcaagg ctccaggact catctctgga    180
gctgatatgt cttaaatact attatagtag gaaagggaga ggagaaaatt cccacccac    240
tcccccgatt tggcccggtg agcttccctt tgaggggtgtg tgacttgcca tctgcaaaaag    300
tcatggccaa aacaggaact aacaggccaa actaccatca atctagtctt ctacagcacc    360
ctaacagagt gccagggtcc tctgtcnctt ccgcacctga ggncaaagt ccaggaagtt    420
tactgccggt gtagggaggt gagctcaagt tcagtgtctg ncttct    466

```

```

<210> 215
<211> 446
<212> DNA
<213> Homo sapiens

```



caccgtcaaa cgttggtcca gttattttac tttaaaagag gatttaaata atgcgacgtg 120  
 ctttccactg agccactaag taggtgtgga cgcacaacct tcaacactaa ttgcccttta 180  
 ctaagccgac cagggctaga cactaagcca gaaaagcctt ttccagagtt tcctcttccg 240  
 cacaaaagct ttccttctgt cactccaccc aaccaccag ctctccctt aagtgtttga 300  
 aagataattc tataagtctc ctc 323

<210> 220  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<400> 220  
 tttttttttt caagtatatt tactctttat tgcattcctt catttgcatt aaacaatatt 60  
 ttttcaatac agttttggac aaaacacaaa gacattaagc tcatttaaca agagacataa 120  
 gttaacacaa tgtgtgctgc tttcatgagg aggaaagagg caagatctta gaggaatcca 180  
 ggatactggc caccaggaat cacaggatct cacaatacaa tccacttctt taaaagccac 240  
 aaaataagct aggggaagaaa acccaaaaca aagaagatat gacatccaag tctccaccaa 300  
 aagtatacaa atggcaagat ttggagatga tctgctttct cacatgagga caaataacag 360  
 aggagccaca cccaagtgcc actgtggcca caagcctcat ggggtggcgtg tgaggt 416

<210> 221  
 <211> 388  
 <212> DNA  
 <213> Homo sapiens

<400> 221  
 ccgaggcttc agttctgtac catttaatgc gtgcaaagga cattccatgg tgtctgctgg 60  
 gttcagggca actggctttc ccaaggcata caagaaaagt tggcagaaag tcctcccctt 120  
 taaaattcaa gcctgaaggt tttgtgtggg ggcctactgc ccctaattgc ttctggtgat 180  
 actgcagcac agtccatcaa aatagtttgt ggttttgcca tctgttactc cttatgcccc 240  
 cctggagagg ggctagcatc tttaggtggg accaccctg gcacaacatg gtctctgagg 300  
 tccagatact ctgagggtag gggctggctc tctctgcctc cctatcccct acaagaggga 360  
 caggagagg tagaacattg ggatcttt 388

<210> 222  
 <211> 353  
 <212> DNA  
 <213> Homo sapiens

<400> 222  
 gttattttaag gatttgttta atgtttttaa attcaaagca ctttaaatta ttttaagaca 60  
 aaagattaat aaaaacaaca ttacctttca aatacaactt tataacagca cagtgaaga 120  
 atggtaaaca gtccctcttt tttttaaaaa aaatcagta cttaaaacca aaggaaggct 180  
 tatatgtaca gctaattcag aaagggaaca atgacaccta aagacataga taaatgcttc 240  
 attttaatcc aataaatgtc ctacctactg gatcttaata atgatgtttt caatatgcc 300  
 tttaaaataa actatccttg aaaataaagt tttaaatcat tcaatataat cta 353

<210> 223  
 <211> 366  
 <212> DNA  
 <213> Homo sapiens

<400> 223  
 ttttttcata atgatttatt tagataacaa acattaatgt gaaacatata ggctattggc 60  
 aaccactatt ctaaaattat gtaagtacaa ataaacatac tgaaatgtgt gcaattctaa 120  
 gtttttaaac cagaagattt ctacactaac acacatttat attaatgaca cataaaaaaa 180  
 ataaaaactt tattacaaaa ataagttaca ctgcctcca gcttacagta taaaacaatt 240  
 ttatttgcag gaatgcaaaa tgattgtttg ccatgagcat tttgaacata tgacatgtcc 300  
 gattttcttg ttaaatttgc atttactggg gaactggtgt gtataaaacc ttaattaagt 360  
 ataagc 366

<210> 224  
 <211> 535

```

<212> DNA
<213> Homo sapiens

<400> 224
attgataaac acagtaaata tatttttctct tccttatgat tttctaagta acatttttctt    60
ttctctagct tactttaaga atacagtata caatatatat aatacatcag tcaggctccc    120
agtcaataac aggctactag tacttaagac tttggggaat caaaagttat atgcagattt    180
ttgactgtgc ggggcgtagg ggtgggtcag tgcccctacc acctgcattt ttcaagtgtc    240
aactatatat atgtatgtgt acatacacat acacatacac acacacacac acacacacac    300
acacacacac acacacacga gtgtattaat tcctcagaag cccagccagg catcttagct    360
tggctacttt ttaattagaa acaactatct tattcagaaa agtatacaca gttagcaatt    420
agaatcttct tatatacaga cataacttgc agaaggttaa gtctgaggac gctgttctgg    480
gtaattttta cagtcctttt tagctctaag atccatgaca ctgcattttt atggc      535

<210> 225
<211> 337
<212> DNA
<213> Homo sapiens

<400> 225
tttttttaaa attaatcaac caacacccat tctattttaag gttccaaaag gaagtagctg    60
gacccggctg cagacacact cccaccttgc ttctgtccca aaagtacatc ccctacgtgt    120
ggttctcctt aaacaatttt aatgtctggg ttggggaagc aggtagagcg cgtagaggca    180
gctgctagag gctggttgct gactccaggc cgcgttccag gaaatatcgg tgggaagaac    240
ggggacgggc ttgggacctt tcattgagga agtaggatgt gatcttctctg agtccctcct    300
gattctcgga tgctgagtc tcccatataa catcttc      337

<210> 226
<211> 451
<212> DNA
<213> Homo sapiens

<400> 226
acaagatgcc acttgcatga tgctgtgggt gccttttcat tgcaatgcct ccatttcaga    60
tgtgagaaag ttctgggcct gtagggcatt tcaagcctag gtgtgtattg tggaggaggg    120
gatagatgtt catctatgca ccagatcctc agatccccga ggtgggttgc ggggaaggcc    180
caggagctg atggataaag ccacagcttc agtccctggca gagttcactg ccaggaatgg    240
ctgctgactg cggggcactg atggtgggca gccagggccg aggtgcaaac ttcttccac    300
aaggagtcc aggtgttcag tggcagccag ttcctcagtt aatgggtcac ctgctgctgc    360
ggccactctc tgttgatgca gtaagccggt tgaggggcgt caaggggctg gacaggacac    420
cccgcaaact ttccagccat tctgtctgtt t          451

<210> 227
<211> 423
<212> DNA
<213> Homo sapiens

<400> 227
acattcagat gtttttactg cttgattaca tttcttggtt tcacatttaa gacttcaatt    60
tataagaagt aaattatatg tttttcaatt taagaacaga tgaatgcagg aacattatga    120
acattatgtt ggggaaaaca aagagacccc aaattaaaaa acaaaacaaa tcaaaacata    180
actagttgtg cagctctgga gaacttaata aaaagtaaat caacttttaa atcagttaac    240
tttggcgtct gaatacaaaa tgtttatcag tattacctat gtagatgact attaagggat    300
gtgcagcatt ttcaaaatcc ctgtgtgtcc tttgtatgca tgtttggtac actgagttct    360
gtggtcactg tcctctcttc agcagggttt ttttacccca gtacgattgt ccatctctgt    420
att                                     423

<210> 228
<211> 385
<212> DNA
<213> Homo sapiens

<400> 228
tgtgatgcag catcagggtgc ttttacttca gtgaatgaaa aataatggtc acaactcaaa    60

```

tgaatgggaa	tttaatatga	atatatgcac	cttaccagag	atgtttgcta	ccaatgatat	120
cttagcaatt	ccatattcct	tacaaagtca	gtataattgt	tgtaaaaaaa	tcaactgtgg	180
ttctgaatac	ccattcacag	ttgacctcaa	caatgtatct	gatgtaggag	actgagtatc	240
cgtgacaggc	agaagcatgt	gatggctctc	agtcccaagt	ggaagagcta	atggtaaagt	300
catatcagaa	ggcttcacat	ccatagtttc	tgataaagga	cttttttgta	tggaatcctg	360
ttcactcaaa	gtatgatcct	ctgca				385

<210> 229  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 229	gtggaagaat	acagaaatat	gtttaatact	tagtatcaaa	ctaaaaagta	atataaaatt	60
	acaaaacttc	ttttttttca	tgcacaggct	tttntctggt	aggaccgctg	ggattgaaca	120
	gaagcttccg	gtaaataagg	gccccgtcgg	caagacagca	tactgctgtc	acaagtgcaa	180
	acacccctcc	accaactgtc	aatgttg				207

<210> 230  
 <211> 351  
 <212> DNA  
 <213> Homo sapiens

<400> 230	aaaaatggta	ttcattttta	tttcaacatg	tcaactgtgc	atttccaaaa	cagcaggctt	60
	ttcaaaggaa	taaatcagaa	ctgtaaacac	aagatacagt	acaagttttt	gacttcctac	120
	agtcagtttc	acaaatccac	atactgtaca	ttcatagggt	aggttaagcc	tgtcacccat	180
	ttctttatct	ctataattac	acaagcataa	taaatacatc	tgatttttaa	ggtcacttaa	240
	aatgagtcac	aatttacagt	acagtacgtt	tcagttcaag	tgcaaaaaat	aactatttgc	300
	tgaattctat	ttctttcagt	tattttatct	ttaagctgtg	ttttattgtg	a	351

<210> 231  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 231	ctgggtgcaa	ggaacatttt	attccataac	tgtctccacc	gaagccgcag	aagcaaagcc	60
	aggagcagaa	tccattctgc	cagcgcgtgg	ctctggggag	acatctgtgc	cctcaccatg	120
	gaggacagaa	ggcaggggcc	tcccgaactn	ttggctcctg	ctgggggtgc	cctgtccctc	180
	tttnttgctg	ggggacctac	cccacntcc	ccctcccacc	tcagtcacag	aggaacaagg	240
	gagacaaact	gagggctctg	cagtccectg	tcaaggncaa	cataatagtc	gtgtggcccc	300
	agcccagcta	ggcgcac					318

<210> 232  
 <211> 228  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 232	gaaaagaaat	ctatttttaa	tggtcttggc	tttatagcac	gaagcaggca	ccnctcgtt	60
	aaaggcacac	agtcctctct	tctgccccac	ctcctgggtc	cttaaaatcg	agtcctgagt	120
	tccagagggg	tactgcaag	gcagcaggga	agggagaggg	tcacagtttc	actctgtgag	180
	tatcagacac	ccagggccaa	ggcccagact	ggcctctgaa	gctaaagg		228



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<210> 233
<211> 479
<212> DNA
<213> Homo sapiens

<400> 233
tttttctctt tgaaagttta ttgttttctt taaaaaaaa aaaaaccta taccttttat 60
attttacatt cacctctcag aatatttaat ggtaccggtt aacgatgtta taaaaaaga 120
ccaccacctg cttgaaatgg ctgcaaattt accatgttct ggcattaaag tgatttcaac 180
tctttggaca aattgggtga acagtaagca ccgagatttc aaattcccag atgagaaaaa 240
aaaaattaat caggaggaaa tttatttagt aaaaattcaa agctaaagaa atgtgagaag 300
gaagccaaac caaaaaaact gtaaaaaata caatcttctc tccagaatta ggttaaaaaa 360
tacagtcaac cccattctaa accccatatt tcttagaaaa gtcaccaggt cctgaacaca 420
gggtcttata cacaaatata tgtagcttga tttgcagatc agcctctggg atcgacctt 479

<210> 234
<211> 388
<212> DNA
<213> Homo sapiens

<400> 234
tttttttttt tttttttttg catttcaa attttaatat ttttatttcg caaagagaag 60
cctaagaatt tttttaaaaa catttccaga gagaacactt tataccataa aataaacttg 120
tataatttgg gaggacaaat catctcaa gtatattttt gaattatgtg ccaattttat 180
aattagtaca aaaatgacag ctgaaatatt taaaaaatgt aaaaaccagt ccaggcaaca 240
taactatacc atcttgctgt aaaagtactt atatcgaatt ccgcacaaaa tatttttgcg 300
atatgctaaa tttagttctt caagtcactc ttcactgccg gctggctttt ccattttctg 360
ttgtctccat cccattttcc tctttaag 388

<210> 235
<211> 536
<212> DNA
<213> Homo sapiens

<400> 235
ttacagggat cttaacttta ttttagctctc tgtagaatta acatctttgc aaatatatta 60
ttcaaccaag catttgccat aaagataagc atcaactttc ccattggaca agtgatagtg 120
ttcaagctac ttgacttggt aaaaacaaaa aaccaccatg acttctcaac aaatacattt 180
taaaatgaaa tatgctcagg ctgataaaca aacaagatat taaaatggag actgacattg 240
aactacatag tcaacttgaa aaacacaaga agacaatgct cctataaaat gatatattat 300
tggttttaca aagacatact ggttttatgtt tacaactatg ttttattttc aaatggtaaa 360
ggaaaggctt catgttgcta tttgaaagta cttctcaact agccgggcat ggtggcataa 420
ttcctgaagt aggaggatca tccccttgag gccaggaggt ccaggctgca gtgagctgtg 480
attgtgccct gaccatagct tgggtgacag agtgaactct gtctcaaaaa aaaaaa 536

<210> 236
<211> 378
<212> DNA
<213> Homo sapiens

<400> 236
gagagcacia ctccaaatca tctttttatta atataaaaag ggcataattta gcaaaagaca 60
cacagataaa agagtcacta tggctcagga cacaaggcag ggaggtgcca ggctgtgccc 120
cctgctgggg gagaaggagg ctcgggacaa agtgggagaa gtgctgggaa gggctgagcg 180
gtaggggcca caaaagtcc ggtgggcaac actgtcggca ggtcatgggt gggactcatg 240
gggacctcgc tgctaactct tgttggtggg ggtgtcctt agtgtgcca cctggagggc 300
cactccttgg ttcttgagg ggaccacca agggacacag gacaggaagc ccaggatggt 360
tagtgcaact cgggatga 378

<210> 237
<211> 455
<212> DNA

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<213> Homo sapiens  
 <400> 237  
 ttttttactgt atcttatttg atgatattta ttttctctgc caagctgtat agtaaaagga 60  
 aaataagtca catctgggtca ttggcatttg tatcgtcatt ctgtaaagac aaaagagtac 120  
 ctatataaga agctccacgt agtgcaaatac gacatctggt aggcctgctcg cccccaggca 180  
 gcagctagag tctgtaattc tctgcgtcat cctcttcttt ttcttcattt ttgctttttc 240  
 ttcgcttgag ttcttctctg aaattatatg caaagagttg tgggtcttca tcacacattt 300  
 ttctgtatac atcacagagg ctcttaaagt gtgagatgga gagctggcgg ggccgaagag 360  
 tagggctctat gtctgccaac tctaacagcc tgcccgtgct ttccaagcgc tgcgcttcag 420  
 ggaataacat tctgagccct cgatggcagt atttc 455

<210> 238  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<400> 238  
 tttctttaac cgtgtgggtct ttatttccagt gccagtgtta cagatacaac acaaattgttc 60  
 cagttagaag gaattcaaac ggaatgccaa ggtccaagcc aggcctcaaga aataaaaagg 120  
 gaggtttgga gtaatagata agatgactcc aatactcact ctccctaagg gcaaaggtag 180  
 ttttgataca gagtctgac tttgaaactg gtgaactcct ctccaccca ttaccatagt 240  
 tcaaacaggc aagttatggg cttaggagca ctttaaaatt tgtgggtggga ataggggtcat 300  
 taataactat gaatatatct tttagaaggt gaccattttg cactttaaag ggaatca 357

<210> 239  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

<400> 239  
 aacataaaaa aataaattta ttttgagtct gaaatactga agaacaagca tacagataaa 60  
 tagtacaag aacaaaaatt agaacatgag taatgactta agacacaggc atttttctag 120  
 ctattgcata cagacacatt tttacacaca aacatatttt ttaaagacat ctctccaaca 180  
 ttctcaaaag gcaagagctg tatttgtagc atttgtaata aatgcaacag cttttgaaac 240  
 atccagtttc tttcctaagt catttgatta aaattcacac aagtgatgat tacctattcc 300  
 attttctgaa aatacgacat acagtcatgt ttcgatcaac aattgaccac atatgacaga 360  
 gatcctataa gattataa 378

<210> 240  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<400> 240  
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 caatatatta cataattctt cattgtttgc agatcctaata atatacttta tagcttttat 120  
 tctataagct tttttcttca acattttgct gtcaacaaat ctttacagtc ctgtacaaat 180  
 ttgaataact tgaaaccatt ttcaacaaaa ttagttactg taagcacaca ctacaagact 240  
 gaaaatgctt ttcttagaaa agttgaatgt aaaggattct gacacgttag catctacaac 300  
 aaaacgcatt gaaattccca cgtcgtattg 330

<210> 241  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<400> 241  
 tttacacaag aaagtgcctg ttacattggt gttttgtggt atttagtgat ttgttcagcg 60  
 ctcatctctt ccaccagact gcgcttctctg aggacaggga ccttaaagca cctcacatag 120  
 ggtgcgcgtc tggtagactg tcgccgagta ccagacaacc agtgtctcac acgggggaag 180  
 acgatgaaga cagcaatggc atccttggga agatgggcag gagaccccat gacacctggc 240  
 acctgggcct aagctgggag gccagcggcg tccccaggag accacggccc aggctgggag 300



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gggggcagca agaccaagaa gaccacagcc agggcctggg ttcagcttca gagccatcac 180
ccgctgcctc ccccaacccc caatctcctg agggaggaga attcctaggg acaagaccca 240
gacccttttc cttcagcctc tgcttcacca agggggcctg gcctgcgccc gagctcctcc 300
tggcctgccc ctcagggatc ccaggtcctc acctctgctc ttcaggcagg aaaagggcag 360
ggagagagga atggaggagg gagagggagg ctgggcgcag gagagagaag aggggggaag 420
gaggagaca 429

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<210> 247
<211> 375
<212> DNA
<213> Homo sapiens

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<400> 247
tctcaggacc caatagatgt tatttcaggt ggggataagg gacaagcaat gtgaagacag 60
ggaaggaaag aaggaagtct ctatgttctg aaggactgcc taccctactg ttgagagtgc 120
cacattctgc ctttttagca attttaatta atttttacta ggacttttgt aacaccacag 180
aaacctgtg gcttctgtgt aaaatgactg tgttacatgc cttattttta ttaaagtggg 240
atttaacaaa tactttttatt attttgaagc atttcatcaa ttctcggtgg aagcactaca 300
tcatcgaatg ggaaataaca aatgaaaaat gaaaaaaaag attatccatt cacagtaagc 360
accattttac tagaa 375

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<210> 248
<211> 304
<212> DNA
<213> Homo sapiens

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<400> 248
tttttcttct gtataaaagt atatttttatt taaaaacagt gatattgaca tgtatgttat 60
agcccttaca gaaaaataac acgtttttata gtcccttttat ttgaaattca gtgtaaatca 120
ctcttaaaact ataaattcac agttgtttgga ggtttttttt tacttttaaat gatgtgaaag 180
catttgttcc attcaaaggc ccctatgcct ttgaatgaca tattctcagt aacttcttgg 240
ccagtaacta gagtatgtga gactgagtaa ctagaatgtg catatttcat gaattagctt 300
cccg 304

```

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<210> 249
<211> 387
<212> DNA
<213> Homo sapiens

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<400> 249
tttgaaggga gcagagggga ggcacgcgag ccacggccac gctttattgc ttaagacgca 60
cacagaacac agaggaacaa acaaggagga aagggcgcca cacacagccc agaccaggca 120
ggagcggccc agccgcggaa gagacgttcc ttgcaaggca gggccctgct ggatagcacg 180
ccccctggga cgaggggtcag ggacccagag actgcacagc tgcagacttg ctgggaacct 240
ggtacaggtg atacgcccac tctcgcctgt tgtcagagct tctacctctg catccagcca 300
tgcaccacc atttcccac agggtagagg ggcagccttc cttgatccac agccaacctt 360
tctcctgctg tctctggctg tcagtga 387

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<210> 250
<211> 324
<212> DNA
<213> Homo sapiens

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<400> 250
ttgtcaatgt tagaaacatt tacttctgac gataatccat atagctttct ctgatgttac 60
acagcgatta catctccttg tgtctaaatt aaagtcaaag tatgaatttt aagatgattt 120
ttaattattt aacaagtaga aatacgatca gtgacaatta tcaattaaaa cattaacaaa 180
cccagttacc ttttcttaac agtcatgatg aaatatccct ttctgtctt atcagaagcc 240
ttaattattc tctaccacac acaccacaaa agcttcttaa tagagcatca gtgtccatca 300
cacctttgtg tagaatctct ggca 324

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<210> 251
<211> 434

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<212> DNA
<213> Homo sapiens

<400> 251
tttgttaaag aatgctttat taatacaaat acacacaaac tctgaagcac taagaaattt      60
aaatatctat gtcacagcaa acagggtggca attcaacatc cagggtcgac agaatgcttg      120
aaggagactg caacagattg gattcccatg gtggagaggg catcttcaca ggtgaagggg      180
ggcccagctg aaacagcttt tcaagctctc tctcctcgtc aaggatcatg agaggcactc      240
cactcaaggg gaggtgcgca atctggtgct cttcaggcag gtcaaaactc tcaaagtcta      300
gaggattgaa gggaaagaat ttttctatct ctggataggc atcatctgag gcaggaacag      360
agctttttgc tttaacagtc ttctcagtca tctttttggc agaaaagctt ggctgttttt      420
gtttgagggg tccc                                     434

<210> 252
<211> 337
<212> DNA
<213> Homo sapiens

<400> 252
ttttaaaaaa gtaatactgt ttatttaact tcaaaaacat ttcagcattc taaacataca      60
aaaaaataac agaacgttgc gaatcgtgtt taagtacagg aggttcttga actttcattg      120
atgcagtgac tctttgcttt gctgacaatg aagagttcta tagtttgttt aaaaacaaac      180
agttaaaaaa ctaccgcact taaaaaaaaa aaatattctc atgccagctg accccccttt      240
gtccacagct aagatggcag cagaatgcta tgtcactata tacagaaaca agacaacctg      300
aagctaaatg gatgccccct gcagagtcaa caggtcc                                     337

<210> 253
<211> 443
<212> DNA
<213> Homo sapiens

<400> 253
tttaggtaaa agatttttat tcttatttaa ccatgctgca tgtatacata caataccaat      60
atatacaact tgaacaaata caattttatac ataaaataca atgaaagcat ggcttttgaa      120
actgatgcaa caaactgtaa tttgtaattt tggccagcat acagtattat agtaatgcta      180
ctgaagttaa tcattaaatt agtcagacta cagtataagt tcaaaggcac tagaaacatc      240
tatgttttct tctagtattt ttaagaacaa aaaataattt aaaataaaac aaatgtatac      300
attaggaaat tgggcagaca ttggtgtact taaatgtaaa cgctacccat tccttaattc      360
acagccctgt aggaaagaag actttcctta agagttaagg ggaaggatat taaaaacaga      420
ctaaaaggaa acaaacaaaa cag                                     443

<210> 254
<211> 463
<212> DNA
<213> Homo sapiens

<400> 254
gagttctcat tagactgggt tctaggcggg ctgctccagc tccataagga agcactcgat      60
gtcgtcatag aggctgttgg cgctggacag gcagaggctg aggctgctgc tatccagggg      120
agacacaccc tcacgtgctg tgccctctag gtgcactcgg cacagccagg gttccagctt      180
caccaggacc aggctcttct ccttgggcct cccagctgac aggtcctgcc cgaagccag      240
gtagatggtg tagcgtgggg agccacggcg ctgccgtccc ggaattccac cagctctcgg      300
aagaagactc tgaagtcgaa gatgggggtg tcacagttcc gaggcagcag gcaggctggg      360
gtggaggggc tggcggaacta gggggggcgc ccacctccca gtacaccttg cacttgccca      420
tgcgccgggg gcatagtgtg ggccctcaa gctccagggtg caa                                     463

<210> 255
<211> 404
<212> DNA
<213> Homo sapiens

<400> 255
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ctttttaaca agctcatctt taatgtggta gcaaagatgg aagggtgcgag accaaatctt      120

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tgggagatgt	gaaggaagtt	atctcacaca	tgatatgtct	tcaaggagct	aaaaatgcc	300
gtggataaaa	gcaaaacaca	tggaaaaaca	aagtacaaat	aataatccgt	gtatattgtc	360
aaaaggaaca	ttttatcaaa	aggttaggatt	gtagctaagg	ttggcttgcc	ttcttccctc	420
ttttattcaa	caaacattta	atgaaggccc	actatgtgcc	aagcacttgg	tacatgatgg	480
tgaataaaac	aaacaagggt	tctgccctca	tttacagcct	ggtaggggag	acagaaatga	540
acaag						545

<210> 261  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<400> 261	caatctgttt	gggactttga	gggctggggt	gggaaggtag	tggaatggaa	tagataaaca	60
	gccagtcaag	agctgtgggg	aggttgacag	aattgggggtg	caggtacatg	taggatacac	120
	agaagctttg	tgtctgtgga	ggctgtatga	gtctgtgggt	gagcagcatg	tctaagtggg	180
	tggaaacatg	tatagctaaa	ggcaggaact	cttcccatac	agctaaaccc	ttgttcaagc	240
	aattttaaata	aacaagaaca	ttttaaaaaa	ttaaaacccc	actaaaacaa	tccttgtgga	300
	gcagttttct	tgagtgttta	agtagagacc	agattcaaaa	aaggattaag	agaatgtcgc	360
	ataaccaagc	tgcagaaact	gaaaccgagc	ggggtgtgag	gggagat		407

<210> 262  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<400> 262	tttttttttt	tttttttttt	tttttttttt	ttttttcatt	tttagaaaaa	actttattta	60
	caaaaccaca	actcagtctg	ctttgggtatt	gacaaaatcc	ctacaactga	gatattaaag	120
	agatacatth	atttttagagt	tacataaaac	cagaatccaa	cactacccta	ctttcctatt	180
	cctttgtggc	tctgaatgca	gctttaaaaa	aacaaaacaa	agcaaagcaa	agcaaaaacaa	240
	aacagctctt	tataatgtac	aatggcttaa	gcaaatecgt	ttagtttttt	ttctatttta	300
	gatttaggac	agactactcg	tctaaaattc	actattttaca	gagaagggtcc	tagggaacag	360
	gataacttat	ttaggttttag	ctctcataat	acaatatcca	taatggct		408

<210> 263  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens

<400> 263	tttttttttt	tttttttttt	tttttttttt	tttttttttt	ttacatccca	aacagggtctt	60
	tttattttaac	ataaggccaa	agaagctatc	aggcggttgct	gaatactgtc	cactaaactgt	120
	acaaaatatt	gactgcatgc	ctcgcaaaaca	ccaaaatatc	cgctggaatg	ccatagaaat	180
	aaataacttc	tgctataaac	acatgaaaac	atatcaaact	gttatctctt	taaacatatt	240
	gtaaataaaa	aaattaccag	tacttctaca	caataaatat	taagaaacca	ttgacatagt	300
	tgaaatgc						308

<210> 264  
 <211> 702  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 264	tttttttttt	aaaaagttga	gtattttttat	tgggtcttca	aatctgggtc	ccacagtcct	60
	catttgatgt	cactcttagc	tctgtactga	tctctcctct	gactttttacg	gagggcttgc	120
	anaagtagcc	tattgcagcc	aaagttttcac	tccaaagcta	cctctctaag	gtctaagggtt	180
	actatggtaa	agtttttatac	aacagtttttc	cttaaaaaata	ttccacgatt	tgttactccc	240
	aaacaaaata	agattatgca	ccactcggag	aaattagtca	ttctgaagat	gtctaagaac	300

tatatcactg	ccaaagaaca	tttctcagtt	catattcttt	ccttcaattt	tcatttgcac	360
atccacactg	tgggggttcac	aagtcacatg	ttttccatga	tcttatgggc	aagtcaagag	420
gacttagact	tatacatcat	tttccaacag	ctgggatgcg	attcacagtt	tgggtgcatac	480
ccatatgtat	gaaaataaga	acctcactcg	gtttaatcga	taattcacat	cgagtctcag	540
attggcttgg	gcagtcttca	gtactcctca	catgagatac	tgntacaggt	gtcagggttca	600
ggtcacgga	ttgagtacca	gggctatcgg	accagagcgt	cagtgaagta	accacatctt	660
gctcacttcg	acttgcagta	accatagcga	cgggactgtg	tt		702

<210> 265  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<400> 265	tttttttttt	tttttttttt	ttttttttct	tattcatcat	tcattcattt	60
	atttgattag	ttgaaaacac	ttccgactaa	ggaagcagag	agcccacaat	120
	aacaggcctg	ggaactaata	tctcaggggt	agtgaggggc	gggcccagat	180
	tccctgcccc	tgaaattgca	cctttgacag	ctgctgaatt	ccaagcacag	240
	tttacatggg	gtaaccctaa	aaaacacact	gggcctcaga	cactcccgtg	300
	acctctaccc	tgtggatgtc	ctagataagg	gttttctctt	cacaaaggta	360
	ttgcctcctt	aggggaggga	ggaataaagg	cattattttt	gagacttttc	411

<210> 266  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<400> 266	ggttcaacag	atacacactg	attatctaac	ttatcatcaa	ttggaagggtc	tagttcctca	60
	ttaaacatgc	ttttcttatt	tcccatgtca	agttctggat	ctgtatatgc	aatgatattca	120
	aactctcctg	accttaagag	gtcatccagg	ttgggatcat	tagtttccaa	attatctaaa	180
	gtatccaatt	caactacctt	gccatcctct	gtatctaaat	ttaagttttc	aagatcttca	240
	tcattctaagt	ctttgacttc	aacccccctc	aggtctttta	catccagttc	cttcacagaa	300
	gggtcatcag	aatcaagttt	ttcctctaga	ccatcagaag	gctgggtggg	tatctgtaaa	360
	ttatcagacg	ttgtttcaga	cgggtacagat	gttgacaaag	gagcttctga	aaattcacca	420
	cctagtggat	ggttcagagt	c				441

<210> 267  
 <211> 474  
 <212> DNA  
 <213> Homo sapiens

<400> 267	tttttttttt	gatctgcaaa	atttttattaa	gcaatagctg	gacaactggt	acaacttcaa	60
	atcatcaaga	aaaaaataag	gagattaatc	cgtctcagta	ataaagacag	aaaataactt	120
	ggacaaacca	catcgttttg	aatgcaaacc	attaatgcct	tctagaatat	ctcctgcaca	180
	atctaataca	caaaatacgt	aagaagaaaag	gcaaataagg	atgagctcat	taaaacgcac	240
	ttggggagtgc	caacagatct	tgcttggaag	gtaaaaccag	caggatgctg	aattaaaaaa	300
	caaacaaacc	aacactggag	gaactgaggt	gcacaagcag	tgacgcccac	tgccgaggtc	360
	tggacatgaa	catgctgggtg	gtctagtttg	gtctggggcc	tatgcacctg	catcgctgcac	420
	ttacgggttaa	aaaaaaaaaa	aagggaaaaa	gaaaatgccg	gtagtaataa	actc	474

<210> 268  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<400> 268	ttacttttag	aatttttattg	acttttttct	tcataacttt	aaaacaaaaa	cagcgcatga	60
	aaaccagtgt	cttattccaa	agtctcaact	cagctgattg	ccagggtgaac	atcaccatct	120
	tactcctctg	aataactaga	cacaaattac	atagcaagtt	cgtgtttctg	cccacccaag	180





<211> 256  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 273  
tctgatanct atgtgaaaat tcttttcaaa gtaggtaaaa gccatcacta tatttcaaag 60  
aggtcacagt gacatcatat acaaaaggaa ccagattgaa aaagatattg ctgacatagc 120  
cagtagtgag attactaaag antaaacaga aatgccttgg gaaattattt ttacaccggc 180  
ttgaattgaa acattaaagc aaaatgaaag ctgtaaggng ttcactagtt ttcccaaagt 240  
cgttgtcaag tttatt 256

<210> 274  
<211> 433  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 274  
ttttttaaaa acttttattt tagattcagg attacatgag cagatttggt gtgaattcta 60  
tttcaattaa catttagatt aggtatcatt tgaaaactgt tagtatttta ccaacattct 120  
gcatttcctt cttaagatac aaagtctgta ggagtctaatt tcctgataga aaaaaaaaaat 180  
gtgggaagga tactaccacc tcccatcaat tcatgttctt ctacttatac tgttcaaata 240  
tggaatgtc cctattctcc tctgtccctt tcaaaccaat tcaacctaaa ccaaattgtt 300  
aaggtgccct taaaagggca aggaccatta tacctatttc aggcgtgggg gnccaattna 360  
aaattgggga aagggatcct tagggntttt ttcccctatg gcctttccn ggaaccgga 420  
ggggggggat tat 433

<210> 275  
<211> 345  
<212> DNA  
<213> Homo sapiens

<400> 275  
ttttttttcc taaggctcta cttcaaagtg ctggctattc aaccaactaa tctgaatagg 60  
tatttgatg gtgaggtaaa agctatttta aggtctgttc tcatctcact ttaataagg 120  
gaaaaaatt gccatatgta ctaaaaatag ttcactgttc tgaaactcaa tgcctgtttg 180  
ccaaaacaat attaatgatg catattctat gcattttttc ccaaatatg ggcactctgc 240  
gtgcacaaaa ttcaggaatg ggaaaccacg agatatttga aataacacca tcctctttac 300  
atgggttaaa aaagtcaaat ggaatccagt tacttttaaat taaaa 345

<210> 276  
<211> 331  
<212> DNA  
<213> Homo sapiens

<400> 276  
tttttttttg atggtggttg tctctaatat ttatttgtct gggtataaaa ttaatatgtg 60  
aggagcattg gatttggtga gaacgttttg aaccctagct gtcacgtgcc acctgcggga 120  
tctagaccag tgacttctca gaactgccat ttcctcatct ggtagacagg atggtaagcc 180  
ctgtcttgct cactccacgt atgggcagtg cagatgaaat gagatcacag aggggaagca 240  
attggcaggc tggaaagtgc tgacaaatgg aaggggttgt gtcaccaccc tcagctgagg 300  
tagtaccaag gtccaagctc ctgcccctcc c 331

<210> 277  
<211> 274  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

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<400> 277
nanaactgat agcctagcaa tacccaaatt agaatttggt ggctatcaat aaataatatt      60
ttataagcaa cagaaacatt taaaaacttg gaagaattgt gataggctag ctaaaatata      120
acctacaaaa taatttttgt aaggccaggn acagtggctc atgcctacaa taccagcact      180
ttggnaaggc cgaggcaggt tgtattgctt gagcccaggg agttcaagac ctgcctgggg      240
caacaaaagtg aggaccccg tctctcaaaa aaaa                                274

```

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<210> 278
<211> 417
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 278
gtaaacactt tgctttgggt ctgtgtctat actggcatct caggagagtg agatatccag      60
acctgatctt cagaagcact atgagccagt atccatcggc gccactgatg agttccagag      120
tgaggacagt gtcacagct agaactgacc gtccccacac ttcattctcc tccagggntc      180
tcttgctgac accaggggct cctcaaaatt actccttctt tcacacatgg gtgacaaggg      240
ttctcaaaaa gaacacctgg gcagagatgc cactacagg caatgcttgt ggggtgggcaa      300
gaagcataaa agaaccccaa tgnccaaca ccagggggaat gggattaang ccaggggggt      360
accattttgt aaacaaaaac aatttccaaa acccaaccgg ttaaacnggg ggaggtt      417

```

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<210> 279
<211> 227
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc feature
<223> n=a,t,g or c

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```

<400> 279
taaaaatttt tttccactac ttttaattgt cagccttttt ttttttttta aacaattctc      60
tgtgccatgt atttaattct cacatcattt ccaatactgg agatataaat tgcatagaga      120
ctgttagaga gttctaattt gttttatgca tgttttgcaa atttgactcc atgaaagggc      180
attngaattg tgacttngtg tgcaagcatt gnccatgnac ataaaaa                                227

```

```

<210> 280
<211> 454
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 280
agaactttgg agtaaaaaatn gtctctgttt ccaagacgtg tgagatgtct gaactctgag      60
atgggtgtttc atctccaccc gatttcacca aaggggtgtc aatatcttta aagaactgat      120
cttcagtagg aattggtgag gtggcaaggt aagcaggaag cttttcatat tcttcttcag      180
tctcctcaac aaagaaagct tctccgttat cacccaactt catgtgaaga tccactgcac      240
tgccgttgat ttctatatca atcactttct ctttgggatc tcagggactc ccagctttcc      300
caaacccgaa cgtggaaaag ggtgaacact ggatagcctg cccatcctgc tgctgtacct      360
acggatggac atcaaatgca ccagagagg ggtggcctgg ggttaatgcc cttgtaggag      420
ttccttcaca gtgacaatca ccttgcccag ccan                                454

```

```

<210> 281
<211> 112
<212> DNA
<213> Homo sapiens

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```

<400> 281
ttaagaaata agaaatacat atatattgaa aaagtataa atgtaggtat cctgagattc      60

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tcaactataa aaagaacagt aatagcaatt tgaataatac acataaaatc ct 112

<210> 282  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 282  
tgaacaataa tatctttaat ataactgttt ttgtgtgcat agaaatcata taagtaaata 60  
aaaaaaaaaca acaacatgag attacatagg tggttataat acaaaagtga gaaaaaagct 120  
agtgtctgag tattgcatcc tggatataat tccctgatat atggtaaagc ataaaagaga 180  
cctatttctt caggagagta gctgaccac ctcagggcc tgactgctct tctctttccc 240  
cacagcctta gtactttttg ccaaaaggcc cagatttgag taaaggggaa cgccgtgagc 300  
gtaaggatcc gggcataagg gctgcagtct gttgagcttt ggcagggttg tgttcgggga 360  
agtaaatttc ngaaggatg ggttcctncc ctgntgggtt gttgggttg tttgctgattt 420  
tcnnggttg gtaccaaggc gcta 444

<210> 283  
<211> 193  
<212> DNA  
<213> Homo sapiens

<400> 283  
tgttctactt ttaaagatat ttaatgatgt ttttcaaac agtacaaaaa tttaaataca 60  
aaaatgattt gctattgaca agtctcaaac ctgtcatggg aactcaaaca agttaccagt 120  
ctgttcaccg ttcattgtat tctataaaat atttgataac agtcaccac tacagacatt 180  
cttttcccct gtg 193

<210> 284  
<211> 217  
<212> DNA  
<213> Homo sapiens

<400> 284  
taattttcat agatcaattt atttagaatt acaaatatta agaatagaag atttatgcat 60  
ttcttaatta acataacagt ttagctaaat ataaactctg cactaaagtt ctgcagtggc 120  
acaataccaa caaagaatac ggaagccttt ttaactata caaaaatttc aaatggaaaa 180  
taatcttggt tcagttttat tatacatata catataa 217

<210> 285  
<211> 176  
<212> DNA  
<213> Homo sapiens

<400> 285  
gtgatttgcc aatgcataac aggggtttcaa gtttcattaa tgaagggact caatcgccca 60  
gaacactaat ttcccttcca aagaagagaa caacgaagtt tgtgaaaggt gactcttccc 120  
ctcttgacc gtggaattca catttcatat tcttgatata aaacaccagt gaaagc 176

<210> 286  
<211> 474  
<212> DNA  
<213> Homo sapiens

<400> 286  
gcttaacctt tttttctttt ctgcgttttt tatgggtggc agagtgtctt gctgtactaa 60  
ggctctgaata atatccatta taggaccatg atctggatct ctgagacaag cttctttcat 120  
cccatcggt tgaacagggg tcaacttaact tatctccttt actccatttt tctccactag 180  
gtgggtctata tgctcttaac ctctgcattt cctctttcca gtgaggagga gtttactgc 240  
tgtcatcatc atctgactca gaacaggatc ttgatcttg aggtgtgtga tagcgaattg 300  
tgcccttcc tttaactctt cgtccagact ttgatacaga tggtttctga tcaattacaa 360  
tgggtgcaac atcaggaatc ttcggttcag gttctgcagt aacaacaggc atatctcttc 420

tcagtaaaaa tcggttctca ggcaactggag gaatctcttc tgggcgggac acag 474

<210> 287  
<211> 481  
<212> DNA  
<213> Homo sapiens

<400> 287  
gtcatgcaaa ttgattttat ttgtgaaaag attaagaagc cacagtaaata gaaaggaaac 60  
ggttatttaa actgctccct tgatagtcac aattatccag ttgaggtgtt tctttgagag 120  
aagaatatag acaccaggcc cacgagggc tccgcattta ttttcaaggc caaagggaagt 180  
gaccctcgg aaaacaccct cgcacaacaa agggcttcca gaatctccat tgcacgagtc 240  
tcttcacct cggaggcttc cagcacaac catattcatt ccaatcacag ggtaaaatt 300  
atagtgattt cgatcattgc agacttttct gtctatgatg gtgatattga cttctctcag 360  
agtatcggac caagatgcac tattgtgagt cctgccccac cctgcaactt ggcacatggt 420  
tcctgggttc acatcatccc ctttttaggt agatgaagga tagtcacata tttgttaatt 480  
t 481

<210> 288  
<211> 412  
<212> DNA  
<213> Homo sapiens

<400> 288  
ttaaattgtat aaccttaaat atttatttga gaaaacaaat aaagatccaa atacgtgagt 60  
tgatcatctg ataaaagtaa gagttgacaa aaaaggtaca tcttctccaa tccgaaaaca 120  
gaaagtggga aagatcaagg tatcactaga ggtcaatgaa acaaaacata caatagtggga 180  
tgacaaaagc caatctctga atctttgaaa agaataaat aaatgaacat ctgaaaccag 240  
tgatcgagaa atgtttttaga taaggcacaa aaagatacca agaattgtaa cactaggctg 300  
tacatcctaa aacagtcaga tgagctcact gttataattc tggttcaccg caagaacctt 360  
agcacaaga aaggactcaa caaacatttg gatccatgaa taaaattatc tt 412

<210> 289  
<211> 502  
<212> DNA  
<213> Homo sapiens

<400> 289  
tttttctttt taagcccagg ctttattcca gcctcttttt gaggaatttg actgaaaagt 60  
tcctccctc tcggtgatg cgcgctccca tcttgggctc ctagtgtagg gctcctacct 120  
ttggctccag caatgctgat gatgaggtgc tggggctccc gaggacagga ggcctccagg 180  
aaggaaccgg cctcagtcga cgcgctccag ggactgtggc tctgcctctc gagctgtagc 240  
acctgatttt ctatgcaccg aaactgccaa ggccagcttg tgttgtacag aaatggctgc 300  
agatcaaacc tggtgtctc agggctgtag ttctcggcgt ggtaccgggt gtgagcgtgg 360  
tcatcttgtg tctgttcag gagtacttg agaaaaaccg cttcactttg tcagcgacct 420  
gtcttggggg gcagatgtgt ctccacatgc cgaggagttt gcagaacatg ctgtaagggc 480  
ccatcttggc caccttctg ag 502

<210> 290  
<211> 289  
<212> DNA  
<213> Homo sapiens

<400> 290  
ttttcagtcagaagaatgttt ttttttaaac ttactgtaaa actttcaaata acaacacatg 60  
tggaacagaa acaacagttc acacacaaca tctgccacaa ttctctttga actgccattt 120  
ctattatgtg atattttaca atttctttca atttcttaca ttcatgggat tcttaaaggc 180  
agcaatgtca atttttctgc tttgaaaata gttcagttaa tgttctgaaa ttgcttaaca 240  
tgacattttc ctttttagtat tctactgctg cccacactga cataattca 289

<210> 291  
<211> 398  
<212> DNA  
<213> Homo sapiens

<400> 291  
 ttacaaaaga aaacacaaaa ccagaattta ttgaaagtag gtaccagctc tgattagaac 60  
 aatcagctca aagataccat tactcagaac aatatataca aaaatctcag ggaaaggaga 120  
 ataaaagaac ttaaaagaat acaacttgaa caggactgtt ttactaaaat ggtcttggtg 180  
 caaaataata acaaatacca cagagagccc tacatgagaa agccatgtgc cttcaagcct 240  
 ggggatgagg actctagttc tcaaattctt agaacatagc acatgattct ccaggcagag 300  
 aggctggctg gagaatgagg acctcactgc tgactctgct taacaaagtc catgccccag 360  
 gcacaggcac acatggaatg aggccaccaa gcaagtca 398

<210> 292  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<400> 292  
 tcatcttttt gttcactaat taatttagct gtgatacttg gagtatctga cactctgtca 60  
 agaacatctg ataatgttgt tgagactggc aaatgaagag tacggaattt gtggcctgct 120  
 ccatacattg gatgctggat gacgtggcta gtagcattaa ttctaccttt gtacagtggg 180  
 catggagact gaagaaacat tgtcactttc tcatcttcca gcatcaactg taaaaataat 240  
 cttcgtataa accttgaaat gttcccagat gttggaaggt tccctctttg aggagatgtc 300  
 tgaaatagtt cacaaagaac ctgtgccatc agcttttgat tattaggatg gcatgaaatg 360  
 cactgtagaa agaacgcaac agttgcattc tcaattgctg tgcgctgttg agtagtcagt 420  
 c 421

<210> 293  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 293  
 tttttttttt tttttttttt tttttttttt ttgacaatga gaaaaaattt tatttatgac 60  
 gatcttgagc agtataaaac tcagaagctc cactgaggtg aaggaaacat ggacatgata 120  
 ctaagcaaag ctagtctttt tccataaaat gaataagaag tacatttggg ggagtttgag 180  
 accagcctgg gcaacacagt gagaccctgt ctctaaaagc attaaagcat taatcctcgc 240  
 atttcgatag ggctatgtag cttttaagta agcaatgtta gaatgagttg tagagtttta 300  
 tttttgtgaa tatagttagt gacagatggc aattacatga ggatatttga acgaaggtac 360  
 ataagcctaa acaatttcac ctaggtaaaa tattgatgtc ataaccaaac tatatggc 418

<210> 294  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<400> 294  
 tttttttttg caaaattaaa atccagatca tatttggaag atagacaggg aatgcttcct 60  
 aaaactgcct tgaaagtaaa agaaaaaaga cttgtcacca tctttggact gtccttttaa 120  
 aaaaaatttc attaatataa aaaatattga gtgcttacta tgtgctaggc attgagctag 180  
 gagaaggcta tgtggctact aacaggatac acatgatcca tattctgatg gtataaaaag 240  
 taaaacagga aaaagaaaca gactgaaaaa tat 273

<210> 295  
 <211> 182  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 295  
 gatcaaaatt gaagacacat tcagaggttt gattggttga gattaactgg tgtgggtggt 60  
 ggtgtatgta tgtttnattt tnatgtcttt gtatgtagtt ctacataatg caaattgtgc 120  
 tttctgatgg acaagacctc ataactgtga ttaatatcaa taaaaagggg atgttggtga 180

aa

182

<210> 296  
<211> 211  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 296  
gatgtaacat ttgtgnatttt attggaaaaa gctggtatta acatatttat agttttattc 60  
aacaattggg taatttgtga gacaccaaag aaaaaaagaa tgcacctatg agttacagag 120  
tccaaactga tcagggtga caacttgacc accatgtntc ccacaccacc acccccacca 180  
ccaccaccac caacagcttc gtcctcagag a 211

<210> 297  
<211> 407  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 297  
tagagacggg gtgtcaccat gttggccagg ctggnetcaa actcctgacc tcagggtgatc 60  
cgcatgcctc agcttcccaa agcattgtct tttattttnt attgttattt tntcaacatc 120  
taagtattta ttaaggtgag tttttacaaa caagcatcta tcccagtgtg cggggtgagg 180  
atgggagagg agagtggggc agcaggaaga tgaggattct catcttttga taataaagct 240  
ccagggttca nccattgtg gatttcatag tccccagag acacatgggc cttaaaaatt 300  
gtgtaccact tcttcaggac aatcttggtc caacggggtg ccagttagg gctgcaatca 360  
gcttcttaag ggtccccgat gggnatcanc cctgttggca tttaacg 407

<210> 298  
<211> 445  
<212> DNA  
<213> Homo sapiens

<400> 298  
ggactctctc aactgttggt tgctcaattg tcggtacaga taggtaggat tccagtctgg 60  
agaaaccct aaaccactac accctgcctc agagtaggga agaattttca gtatgtatgt 120  
ggagacaggc tggattaggg agccttttga gtggcttctc taggatacct ttcttgctaa 180  
catgagcaag gttccctcc aggcctgata aagcctgaag aggttagtta tttccctact 240  
agttctggaa gcatcttaat tcatgccacc ataggaggct gtcttccct gctcctcct 300  
tgaatcacca ctagatttt aagttgcttt tctggagttt gatgatggaa accagttcct 360  
gtttcagggt ccagaaactt tttttttttt tgagattgag tctcgctctt tcatgctgga 420  
gtgcagtggg gcgatctcag ctac 445

<210> 299  
<211> 544  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 299  
ttaatttaaa gaaaacttct ttattaagta aatggacagt tgggtacacag atattgcaaa 60  
aatttcgagg cgggtacatg aatgactgaa attcaggaga cgcggggagt tagcacagaa 120  
gcactttcct cattcagagc tcttttggct gcgagaaaca gacaccaat caaatcagct 180  
tcancaaaat gagagaatgt atcctgacaa gggacgtca cagggcctaa aggaagagt 240  
ctgggcccct ggaggactga gggaagccgg cagtccttgg aggcgggtgcc ggctgctctc 300  
caggcgctg tgattcctct ggtccctgcc ttgctatgcg tatcttccct ctgagcagag 360

ccatttttctc taccacattc atgcaggtgc ccateccccg gaacacacac agacaaacac 420  
 acacacatgg acacagtcac agctccaggg tttctatgtg ttcaggtaag ggancctgcaa 480  
 agcctgaaca gcctccctaa atctagatgc ccancctttat cctttcagct ccatcagang 540  
 atca 544

<210> 300  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

<400> 300  
 caaatccaga attactttat ataaaagtac acattctaata atagaaaag atattttatc 60  
 attattactt tactatatat tactgaatac accagactgc attttctcaa atggcaaatg 120  
 aggcacattt ctctttgatt cccccaggaa cctccgcac atctgtcttt tggaggattc 180  
 agattcttac gacatctgtg ataccgtcca tgaggatacc aacggtgctt agtagtaaag 240  
 aacatttttg taagttgttc tatcataggt ccttcctcaa ggtgttcaac tttttcttcc 300  
 aatctggttt tcagcacttg atcatgtgtt tcttcattat tatgcacagg atctggccga 360  
 gggatagggt ttgtgtgttc atatggaatg tccacagaag ggtggttagca tactattgtc 420  
 ctgccatcag aagtcagagc aagctcta 448

<210> 301  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 301  
 gtgattaaca ggacttttat tggtagtaaa ctagagcaaa caatcagaat aatacatatg 60  
 cagtattcag tacacacaat aaaagttaaa gaaattcaaa acctgtataa aacaaactgg 120  
 agaaaaatca tacagcttaa gagatacagt ggtaaaggct ctctccatcc tttgattaca 180  
 gcttgacttc tgtactcaat agaacttacc gcacttactg aaataagaaa taaacacttt 240  
 ttagtactca gcgtatttaa gattaagtac attttctaag aatcttgcaa tgacaagttg 300  
 gtgacccttt agctgctaaa gctaaaggga ggaaagtggg aaaaggaaat taactaatac 360  
 tttgtaacca tttttaatat ttcttatttt ccaaacactg cttttataac agaagtgttt 420  
 tacacttggc acaatattaa ttacttg 447

<210> 302  
 <211> 282  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 302  
 ttcgggtgtt gtgtctttat ttggagacca ggagacagat tacagcttaa tgagaggaac 60  
 aacgactaag tgatctgatg ggaaggggtga gtttcctggc ccttaggaag caacagatgt 120  
 gattttctaata caacaaaaac tagtaagtct ggaacttttc agacaggaag ctgagaggct 180  
 accaaaaacta aaagtgaag tgtctgcat caatgtgtaa gtctaaatta cnaataaata 240  
 cattaataaa gccccnaaca gggggtacaa aaatttgtaa tg 282

<210> 303  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 303  
 ctcaaaaaca tcttttattg attttgtggc aagtactcca cagtcaataa ctgcacatc 60  
 tgcatatggt ctgcttgcat catcgggtctt cagattttca atttgttcga ttacttcaaa 120  
 accagaaata accagtccaa agactacatg caccatcc aggtgtggag caggctttgt 180  
 ggtactatgt aataaacatc aacacaaaga 210



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<210> 305
<211> 458
<212> DNA
<213> Homo sapiens
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<400>	305									
tcccaacaaa	acgcaagggt	gttctgctct	ttactaaata	aacgttccct	tcccagaaac					60
cagcccaaaa	ctcatcactg	ttcaaataatg	tggcaagggtg	aggctctctg	ttccccttta					120
ccaggagcac	ggatggtgtc	tgcaaggcag	tgctctcga	gtcgtcaggg	agatggcccc					180
tcaggctccc	aaacctgcca	aatacaggac	tgtgagcggc	tcgggagggg	tctcctttgc					240
tctccatcca	gcgggtcagc	gggtccttgc	gggggagaaa	gagccaaaca	gccgcctttc					300
ccttctggtc	acagcacgag	ccaggttcca	ggcagaggct	gtggcaaaca	ttgtcatcgc					360
cccatggtga	aactgggcac	ttcctcctcc	tcctctgttc	cagatgnctc	cgnagaactg					420
ctggaccctt	gctccttggg	ctgaccgggt	ccttcttg							458

```

<400> 306
ttttttttttt tttttttttt ttttttagaa ttaaaagaaa aggcaatgtt tattagctat    60
ttcataaatc ttctctgaaa agttctcaat tcttctcact gaaacttgta agcaactgag    120
cagcttctgt ctgta                                     135

```

```
<220>
<221> misc feature
<223> n=a,t,q or c
```

```
<210> 308
<211> 441
<212> DNA
<213> Homo sapiens
```

```

<400> 308
ttttttttgt tttctacagc accaaagaaa ttcaaatagg aaaaggagag ttgagaattg      60
ggaatcaaga atcagccctg tttccatctt agccacacca acttatatct ttatgatttt      120
caaagctttt gccatgtgat tctgccccca caaaggcatc ggtatttcct aaatgggtacc      180
tgtatatgca gcgttgtttt ctataccatc cttattcaaa acttgcatgt ggcacaaaat      240
gggttggtgg gcaccaaggt atattttctg ttgatttgat atgttctttg tcttaatctt      300
aggccaagga aaacaaacag ggaccaactt caaatccgaa cttctggatt ctgatcacca      360
aaggtcattg atccatggac atcaacatag gggacttgga tcaatttttg ggggtattgg      420
atttccatgg acagtttttt t                                     441

```

```

<210> 309
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<400> 309
ttcatttttt tgtgtcatca aatctcatga tcagtttccc tttaaagtta acctggtagt      60
gctggttcag aagagcagct tttgcatgcc caatgtgtaa gtaaccactg gcctctggag      120
gaaatctgac ggtaaccttt cccatctacg cacctggaag ctcaacaaat ttcccaacat      180
cttgcttttt ctcaggtgcc actcgagctt tgggtgttga aacatcccac ttgggtacct      240
actgactgga aggctgctg ggcttcaaga aagccaaacc aacgtttttac atgaactggg      300
agctttcttc tgtttcaact gttcttgcca ggggagccat ttccctttta ggggggtgggc      360
cccaaacaca ataaatctg gcttaaactc aaggaggtt tcccaactaa ggtatggttc      420
tcaggaggac agggcaatgg attgaggttt                                     450

```

```

<210> 310
<211> 488
<212> DNA
<213> Homo sapiens

```

```

<400> 310
ttttttaaacc ttttaactaa aaagtaaact ttaatgtcga aagtgcaaac ttggggaagg      60
cagaaaacat cacacacaag gctgtcactt cactcttgga aggttgcaac gcggccgggc      120
agaggcgctc ctacttgcc agacgggggtg gcggccaggc agagggtgctc ctactttcc      180
acacggtgtg ggggccgggc agagggtgctt ctacttccc agatgggtgct gggctgtcgg      240
actccattgc tggatgtgtg acttggtttt aagcttctcc cttctgctct catctggaaa      300
tgctgacagc ctgggcattt cctccttttg cactggagac tgaagcctgg caaggcctgc      360
cctcagcagg aactccccct gggccccact ctgtgacctt gagcccaaga caggattttt      420
cctttacctt cttccagcca ctttgggcct cccggctctc tcagaagccc tgttaggtag      480
gtgacaac                                     488

```

```

<210> 311
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<400> 311
ggctttcata attatatttt tcttttaaag aaaaatatca acccattgtc aatgcactgt      60
ttttcaaagc atttaaatag agggtaaaac cttttggaaa ttaatacaga agaaatgatt      120
cactttatgc ataaaaaata aataataata tagctgagac atgtgggttg cttctgctct      180
tgaagatgtg aacagcttct aagcattcat tttctctgac ccatacaaca gcttctcagt      240
gatacagggt ttaattttaa cacatacaat gtccaccccc aaaccttctg cccacatcta      300
caagttttat ttattttgtg ggttttcagg gtgactaagt ttttccctac attgaaaaga      360
gaagttgcca aaaggtgcac aggaaatcat                                     390

```

```

<210> 312
<211> 484
<212> DNA
<213> Homo sapiens

```

```

<400> 312
tttttttttt ttttttaaata gcaacatata aactttattg aacaaaagta aactgtttca      60

```

```

gtaaactcaa acaggcactt aagagaaaaa ctgactggaa gaacttttat cttaaaccatc 120
ttacagtaac ctacttgtag ttgcatttaa ctgagctctg ttgctgtgaa gaatacagct 180
catgcacagg tatggatgaa agattttgtac atttctcaag tattcactga atactacctt 240
atatacacat atacattaaa ttgaaaaaag atttgacgat cccagataa acttcatttt 300
tggtgatctt ttggaagagg tcgtctaaag agaagaatat gtggttctgg ctcatgaatc 360
atggtaatga acccagccta gactctgttg gacaccaagt ctctccact cctcttcaga 420
catcagatga gtttttaggta cttgtttgga aagttctctg gggtaacata acatgccggt 480
acta 484

```

```

<210> 313
<211> 287
<212> DNA
<213> Homo sapiens

```

```

<400> 313
tttttttttt tttttttttt ttctatctgt gaaaaacatt tattctgaga atctaaaatc 60
tggaacaaagt actggacttt agaaaaagcc tacacaaaat tgtctcattc ttccctaata 120
cattaataat ctaagaataa ggaggtgaaa aaaacccttt aaaaataaca ttgctccagt 180
ttgtctgcag gtatgtgatt taaaatatcc ctgttttatt gaggtatagg ctgcaaactt 240
tggtaaaatt aggaaaaatt aacaaaccct ttcaaaagaa aaaaaat 287

```

```

<210> 314
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<400> 314
tttttttttt ttttcccgca gtcacaaacc attttattac ccacattgtg ctgtgacagg 60
gaggggtctc caatgaagag gacctagcac tggaaggtga tagccccaga agagaagagg 120
cttctttctc actgtgaggc agaaacaaat ttatctgtat gttaaactttt ccagtaatgg 180
gtgatgctgt gacacctgca gaaagcagcc tcctctgttt actactataa acaccattc 240
tgcaggcagt gtgagggcac agccttctgg agtgccacac ctgggtacca cggcacactg 300
gtgcatcccg ggaagatgtt cctagggcac cacatcttgg gtaccaagag gactgtgtgc 360
atccaattag accgaggtgc aaaagccaat gcgtcaacat c 401

```

```

<210> 315
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<400> 315
tttttttttt tttttttttt ttttttgagg tttaaaaatc ctttattaaa aaacccccaa 60
cggaaatgtt ccaaaaaaaa taaacacgtt tctattaaca tatcccatta atcctattag 120
ttggaataag atttaaagcc caatttgga aagcttgtag aatttcttcg gaaattccta 180
aaaattacgg taggcaaaaaa cttacaaaaa catatgctat cccagggcgg ggaaaggaaa 240
aaaggggaag gggctacaaa ggccccgggg gcatcacctg cccacctggg acccaggggt 300
ccgggaaact gtcccgtaac gggaaaccta ccgggatgta aaggtccata agttacaagg 360
cttttttggt ttaaaaaaaa aaaaagggtc gtactttcca ggccaaagggt gaaatggccc 420
aaacaccctt taacgctttc aggtcccca ggccctccat tgggggtggga cccctagga 480
acaatttcgg ggtacaaact ttcccggaat ttaggcggaa actgtccggg aaa 533

```

```

<210> 316
<211> 384
<212> DNA
<213> Homo sapiens

```

```

<400> 316
ccgtgtcact tctcacttct aaatagctct agacttggtc ccattgcact aacttaattc 60
actctccatc atctttggct tggagtacaa ctccgtcctt ccattctaate tgctgtctc 120
caatcgttct cccctttgat gtgcagggca gccactgac tctctaaccat ttacagaaga 180
atgcaccact tgggttggtt aaaacccttc aatggcttcc cattgcccc aagttcaaact 240
ctgcaatgtg gcctacacat ctctctagct tcacctctg ctcaatatcc tacagcacag 300

```

tgaagttctt ggtggctctc aaaagggccc tcaaacttca aacattccct tcaacctaaa 360  
atcctcaatg gacattactg agtc 384

<210> 317  
<211> 446  
<212> DNA  
<213> Homo sapiens

<400> 317  
ttttttttta ccctggatga tgattacat tggtgctaag agtttttatc taagtaagcc 60  
tatgcttgat ttctttcaga aaccatttca ttggatatca ttttttctaa ggtttcattt 120  
ctcccaagtt tggttttttc aataggatag tcagttgaca aaatggttgg cattcttata 180  
ctattttattg tttacattta aaattagggtg caaacagcta gtttctcaaa tgacctccta 240  
attgactttt tttctttaag ataaaagtat tgggtgaggc actggtttat aagcatttgt 300  
ggactttgca gccttatctt taaaaaaaaa aaaattaaaa ctgtggctct taaatatcct 360  
gtctgaactt tggattggaa ggcacatttc cttttgttat tggctatgta gattagctta 420  
gaatctgtaa gcatatagtg tgggta 446

<210> 318  
<211> 470  
<212> DNA  
<213> Homo sapiens

<400> 318  
tttttcagga tgtgacaacg tttttaatgc aaagtcaacc attagcatct ttcccatgta 60  
cttattagat gtgaaatggc aggacttcac ggccccgttt gcatattttc ctactccgca 120  
gacgaataat attttcaggg aaggcagcgc agtctgtgcc gtcacaatcg ggcgactgtg 180  
ggtgatgagg gatgatgatt ttccaggagg ccctggggtc agaggactcc tagagggagt 240  
ttccagcccc tcaatcgcat atggatggcc tggtgatggt gtaactgggg tggaggttga 300  
gccggtcaca ggaggtgatg cagttatcgg ggccagtcac gatgcttttc tccaggtaaa 360  
cattgagagt attgttcagg aacattccac ccgctgcaag ttgttgggaa aattttattcg 420  
aatttgata aaatacttta ggcattctct gcacgggtggg ggctctgctc 470

<210> 319  
<211> 401  
<212> DNA  
<213> Homo sapiens

<400> 319  
agtcccagag ccagtgttta ttagcaagat ggaacccaaa ggcggtctgt gcctgggcag 60  
cagaaggcca ccaggagccc ccacccatct acccaactgc ccccagagc taattacatc 120  
cacacccatc ccctgaagtg gtggacataa gggagccctg gggagcctct accggcccca 180  
ggcctctacc acggaccccc tcccctcaga gctggggcct cccgtcagct ctgctgggc 240  
ctggccctct gctatgctcc cagcctctga gtcaaagtgg cacagggaaa gctaaggagg 300  
tagagtgggg tggccctgcc tggccaggcg gggaggggag aaggggctga aggggctgtc 360  
ccaccaggc aggatgctct tctcctatcc ccaataaata g 401

<210> 320  
<211> 403  
<212> DNA  
<213> Homo sapiens

<400> 320  
tttttttggc tggtaaaacg ttcaccccca caaaagggga gtggacagat ttattgaaat 60  
caaactggga aaggagcagc tggacggctg gactctgggc ccagcccagg ccccgctctgc 120  
ccaggatggg cccttgacga gaggaggagg aggcattggg cctgcagctg cccacaagga 180  
agcgcccttg gttacttcca cgggtggggg cctcttgaa acctccaatc tggaaagaaa 240  
accaagggcc aaagtcacat ggacagggcc agagaaaggg actggggagg tggaaagcag 300  
gcagaagcag gctcaggagc ccgcagttag ttaactgtg cttctcaagg cggcctgggg 360  
ggtgtgggtg ggggctgccg gccttgacag gggcctaggc tgg 403

<210> 321

```

<211> 225
<212> DNA
<213> Homo sapiens

<400> 321
ttaagaacaa agcggagggg tttattatag ggacattctg aaaccacaac ggaaaagatg      60
tccgtacagg tggatgggga tggagatcca gcgtcggagt acacagactt cagggggcct      120
cctgcctggc acgttcgttc gtctcccgta tcgccgtaag accctgagac cccgagcctc      180
tgcaggagag acgcacaaag aagcctcctc cctgtggcct ggctc                        225

<210> 322
<211> 253
<212> DNA
<213> Homo sapiens

<400> 322
taactcccag tcaccctggt ttatttcaac catggagaaa agtacagagg aaaggctgca      60
tatggagaga ctgtcgggct gacgggtgtc cagcagatcc gagtccacgt gtggaaacag      120
cagccgcccc gccctgggtg tttcctccag gaaaggcctg gtcagtgaat gcctgcaggc      180
agcaggggtg caggaatcac ctgcccgatg ccagcgtgc tcttgtctgg agggccagac      240
tgtcatgaag tca                                                    253

<210> 323
<211> 345
<212> DNA
<213> Homo sapiens

<400> 323
gggttaaata tttattaggt ttgttttaac caggaataaa tacatgattt agcaaagtgt      60
aatgcttccc actgagaaat ccctctgggt gctccccaaa tgttccaatc acattcgtca      120
caacggaaaa caacacataa gatactgtgc agacatctgg agttcagggg gtcacctgcc      180
ttatgcggga agtcaatgtc cacagtgtta cattcatttc tcatacgttg gctgggttct      240
ttgaaatagc cttttggaac ggttggggaa accacagatg tctccttgta taaacacact      300
agaatctatg atacagaaaa ctgtgtaact gcacatacac atacc                    345

<210> 324
<211> 382
<212> DNA
<213> Homo sapiens

<400> 324
aattcctttt tagctcattg gctatcctta gcgtacatta tgtatggccc aacacaattc      60
ttcttccact gtagcccagg gaagccaaaa gattggacac tcttgtttta aatagactat      120
ctttttaccc ttttatttgt tccaactcag gataaatatc caagtatcta gaggggtctat      180
gtgtgctatc tatacaataa aagatagtta tataaaaatg aagagttctc cataccatta      240
tataaacagg aggtttttaca ggcattagtg atactctgtt ggactcaatg ggtttttttc      300
tctcttatag ctatgaaaga ctttatgccg gtccaaaata tacaatgttg aaagacaggt      360
tttgaataaa atattctccc ca                                                    382

<210> 325
<211> 519
<212> DNA
<213> Homo sapiens

<400> 325
ttttttttta atggtttgga ctgcaaacta gtacttaggc tttcagcaac ttggcagtgt      60
ttgtctgatg cagatactgc acccagtttt aaaaaaggct tattactaaa taaactagtg      120
aagttaacaa ctgaaggagt aatagtatga atgctggatt cagaagtcaa acttggtctt      180
tttccaaggg aagagcttat tcttggaata tctatatggg tagtttttga atcatttacc      240
tctttatcaa tccctttaca ttcaatactt atactatgac caactgacct atgaccaacg      300
ttcaagtggg tactttcaga agtaaaactg ttctttccaa cagattcaga aatttcttcg      360
attagttctg tagtagaact taaaagtaat ggattaggag ccaactgtga agaagtttca      420
gggggacttc tggttaaagg attaacagat acagtaggtg atggggaagg gaagatgctt      480
tccccaaagt cccgaagggg attaggggta aatacccca                                519

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```

<210> 326
<211> 393
<212> DNA
<213> Homo sapiens

<400> 326
aaattaaata aacttttatt ttggaatgat actagattta cagagaagtt gcagagatag      60
tacaaagagt tcctgtatac ccttcaccca gcctacccca aggtcaacat cttacatcac      120
catggtacat ctgtcaaaac caagggactg aaattgggtat attaactaaa attcagactt      180
ttttcagatt tccaattttc ccactaatgt cctgtttttg ttccaagacc caatccagga      240
tgccacattg cactgaagac actctccctt ttcaattcta ttactggtca cctcagtcaa      300
ctttcccggg gaaagagaat gcatgggaaa agctcttgtc cttattattg aactggagaa      360
actgaggctt aaaagtgccg agtgaccaag ttc                                     393

<210> 327
<211> 277
<212> DNA
<213> Homo sapiens

<400> 327
tgccgtccyc cycccagsgt gcctggcatg gtcgcagggg agcgggtbcc tggagtcccg      60
gtgacaccac ggggcacact gagggagctg aggagccggg gccgcgcasc tcctggdtgc      120
tcagcggatc gtgtacttkc cccacttctt ttcagggtcg tagggttccc agcggctggc      180
gggaaagatg tgcttkttct tctcgtacca gctcctcagc accaccttgc ctgcatgggr      240
ctcatccttc tccacagtgg gsgtcactga gcaaccg                               277

<210> 328
<211> 204
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 328
actggagtct tctgagatct tattaaatgt tttatttctt aacattccta catattaata      60
aatgtcctat ttcttaacct gatagtgggt acatgaatgt ttatnattct gtaaatcata      120
ttgtgcttat gaatngtttc acaattaaaa aaaaaattca tcccacctat tcccnttgcn      180
caggttccat gtcattaaa gacc                                              204

<210> 329
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 329
ctcataaaca annantttat taaantacat gttacataaa agaacatata aatggaccat      60
taaatacatt cagttttattt taaacaaatt tacatagata cttattttaca tttctccatt      120
gtattcttaa attatttttc caagcttact accgataaan ggtaatacaa tgatcatctg      180
ctcacacaga tgcatagaga agttgtccac agggctnagt aaagcaccac ttcccagggt      240
nacacngctt attagatctt ccagcaacaa ctcatgctga aggtgctctc ttctgaggca      300
gcccttgagg gtgaggcttt tgcttttagga gggtgctggg ggggtggggt ctgagggagc      360
tgaccgcggg cagcggatgg ggtccttgct gntttgacct gacttgggac               410

<210> 330
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```



<223> n=a,t,g or c

<400> 334  
cataatacat atatttattg ccatcagagt tctgcaattc tcataaaaatt agagtcagat 60  
ggaattcagg gacacgtgca agttttggaa atggacacag ataacagtat agaactgtac 120  
acaaaataat taccatttat taaacacact ggtttagnac accctggatg gatgagaatg 180  
ngcnccataa ttttt 195

<210> 335  
<211> 295  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 335  
ntnaaatgtg taatataaat ttattctgtg acattttcct cattgagaga tattttaaca 60  
tagattaaaa tacatcaata ttcatgaaa aataaattct agaagaattt agataatata 120  
tgtaatgtac atgatttgac cctgaatata ctnttcgtnt tncacttcaa acatcatttt 180  
ttaaaaagta acataaacat gataaggact gcaacattct tcatatatct tngtctcat 240  
aaattttaat tcaactgccc gttctttttn caactatgta tgttaatggg atttg 295

<210> 336  
<211> 441  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 336  
aacttggttaa acacatttat tgatttcttg acagtaacca aacacagtga gtgaccatta 60  
taaacaagaa aagaaaggca ttcgttttgt actttgtgag atctggctgc acctggagag 120  
aaaacatacc ctttccag gaacttacia ggcaaagtgc attccttcac gggagcatca 180  
caggggggca tggcagtttt gaaacgcaag aagtctgtcg cctgctatct caggctgaag 240  
ctcacctcat gtgaatgatt gagccatgga cgtggaatta aagtcatact tgcttagcaa 300  
atgcattcct gattgccaca aactcagtaa aaactggctg caaatgaaca aaacatgtag 360  
atgaaggaa aagtgaatc aaagaatgca gttgcatgga gccagggctt agcctgtaag 420  
gaaggagaac agaccanagc c 441

<210> 337  
<211> 437  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 337  
cataatgcta atgcaagagg gcttgaagta tcaaagagtc cacaggaaat ggatgcccc 60  
agtaatatct tttttttaa aaaaatatac attatataat atatattata tatataanan 120  
gctagtgtaa atgcttccat ggtgtggtca caaatttgaa agatgaacct ctttcagct 180  
gttaaccatc ttccatttg caacaggttt taaaaagtcg tttttatctt ccnacataac 240  
atgnntttnc ntaatgagg tgcagcact gacagatgtg gtgatgggga ggcaacttgc 300  
attgctaata gacactggga gtggctggct aaagcaagaa gttaccggca gaattgtttt 360  
ttgctctcc agaatacat ggtcttcacc taaactctgt ttcttctgct ttggtggctc 420  
cntttggtgc ngctgga 437

<210> 338  
<211> 178  
<212> DNA  
<213> Homo sapiens



<400> 338  
aatacagggt ctcactctgt tgtgccagct ggagtgtagc agcacaattg tagttaactg 60  
cagcttttaa ctctctgggct taagaaaagg ttaagagatc ctcttgccctc agcttttctga 120  
gtagctagga ctacaggtaa gtaccaccag gtctggctaa ttttaaaatt tttttgtt 178

<210> 339  
<211> 575  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 339  
tttttaaata gagatgaggt tttgctatgt tgcccaggct ggtctcctgg actcaagcaa 60  
tctcccactt caggctacca aagtgtctggg atttacaggc atgagcacct ctcccagtct 120  
cagttattat tttaataaat gagactgaac gtctctcttat aaggctcact cccttggtcc 180  
tactacattt gctctgttta agtatctctt taaattcttc agttaagatc atccctttta 240  
tcagaaacct agacaccaca aagtagcttt ctccacttta attctccata gggatcacta 300  
ttatactata atatttgcac acgtatgtgt atatatgtat ttgctttttt aaaaaagtaa 360  
aatgtctctt ctcactcttt gtcgatatag gcacccaggc acgtagttag aaattaaata 420  
aaggccacaa taatttccca agggaagatc attaaaaaga aaaatccttt ctctctctaa 480  
tatcacatag ctgggcctta tggnatgcag ctaagaaaaa gggattgcct nggtgacagg 540  
aagaccaatc ttcncccttg ggggtgtagn gaatt 575

<210> 340  
<211> 472  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 340  
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<210> 341  
<211> 366  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 341  
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<211> 295  
<212> DNA  
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<223> n=a,t,g or c

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<210> 343  
<211> 281  
<212> DNA  
<213> Homo sapiens

<220>  
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<400> 343  
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<210> 344  
<211> 382  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

<400> 344  
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<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 345  
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<211> 391  
<212> DNA  
<213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 346  
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<210> 347  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

<400> 347  
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 <212> DNA  
 <213> Homo sapiens

<400> 348  
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177

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<212> DNA
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180

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<211> 1488
<212> DNA
<213> Homo sapiens
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<212> DNA
<213> Homo sapiens

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 <212> DNA  
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 <211> 2814  
 <212> DNA  
 <213> Homo sapiens

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 <211> 3143  
 <212> DNA  
 <213> Homo sapiens

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<210> 369  
 <211> 1896  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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<211> 2545  
<212> DNA  
<213> Homo sapiens

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<211> 599

<212> DNA  
<213> Homo sapiens

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<210> 386  
<211> 1882  
<212> DNA  
<213> Homo sapiens

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<210> 387  
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<212> DNA
<213> Homo sapiens

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<221> misc_feature

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<211> 2149
<212> DNA
<213> Homo sapiens
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<221> misc feature
<223> n=a,t,g or c
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gttatctagg caccattgga gactgaaaaa aaaaaatccc tgctctgtaa ataaagctaa 780
ttaaactgtc gtgtaaattt aaaaaggga aatacttta ttttttttct taatagtgt 840
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gtaccaagac tagcaagagt ttgcttcagg atttggttga ataattaaga taatatttgg 960
agtgtgtcag ggccattcaa attgttggtg ttgcatcaca gctaccttaa ctgtttttta 1020
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tagctgaaaa gaccaccatt ttaagcattt gagaattctt aaatatgaaa tttattcaga 1140
attgaagatg gtgacctatt cagagccttt ttgtccttgt caacagactg ggacagtgtc 1200
tgattcccc ttcaccccc cccacccccg ccttggcaca cacagctaatt attctaattgg 1260
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gatgttacat tattcccagg ttaaatgaaa gaacccaact tagtttttca gtgaatttga 1500
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atttacattt cattctaagt tccaaaagtt tgaaaattat tagttttgca agatcacaca 1860
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actgaattaa agtaaggctg tatattgaaa gtcataattat aaaagggttg ctttctttta 2040
gtgttattta tcttaatta taatcgtaa atgtttggaa gataattttt gaatacataac 2100
gtcagcataa cttcatttga cttctcaata atcttgctga cgcggccgc 2149

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<210> 411
<211> 495
<212> DNA
<213> Homo sapiens

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```

<400> 411
agactggacc tactgattca acttggagat gagcgggtct gtcctcttca cggcgggaga 60
gaggtggaga tgctttctga ccccgctcag gtcacccctg tactgggcct tacataattt 120
ctgctgtcgg aaaaaatcca ctacaccta gaaaattact cccaatgtta ctttttctga 180
tgaaaatgca aaggagcccc aaaatgcact tgacaagctc ttctcttcag aacagcaggc 240
ttccatcttg catgtgttga atacagcatc tactaaagaa cttgaagctt tccgattgct 300
tcgtggaaga aggtccatca atatccgtag agcacagaga aaactttggg ccatttcaga 360
atttaagaga gtttaatgaa tgtgcccttg tttaagtata aaagtacagt tcaagtttgt 420
aactccatac tttgtccaaa gactggacgg ggaaaaaaga aagtcaccgg aaaaccggtt 480
cctgagaaaag ctctt 495

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```

<210> 412
<211> 575
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 412
ccccagctc tcagggataa gaccagtcct ccagcgtggt ggtcagcacg gaagctccac 60
cttctgggtg aggcgccatc ctaaccatcc agccaggcca cccacaaccc gagaatcagg 120
gagaaagtcc ctccccagca gccccctcct cctggctggg aagaatggtc cccagcaag 180

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cacttgccctg ttcattcccc ttcattgtttt gcttctctct cagactgcct tectgtctct 240
gggctaacct gttccaagcc aggcctcctca atgtgacctc gcagttgaga agcccattat 300
cgtggggcat ctttttgcc acagcccctg gttagggcac tttggacagg tcttgctatt 360
cagtgaacct ttgtacattt caaagaagac tccatggctg ctccagatgc ccccttgctg 420
ggtgcagggtg gggactgtcc aatgcagagt ggcgggacag agagttaaag caattcctgg 480
gtctccttct tatgactgtc tatgggggtga attgccttct ggggttgtct cgatctgtgn 540
ttcaataaat gccgctgnaa tgcaaaaaaa aaaaa 575

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<210> 413
<211> 345
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 413
cctcagtcctg atgggtgaatg gctattcgta aatggctggg ctggctcttt ggtgttggag 60
cctttccaat agcccatga aaagaagcat caccacagga tattgtaaaa aggatgtaac 120
aaggagatag ggtagacatt gtactcagt ggccttgggg ctgagccnag ctctgagcag 180
aggactgtgg cattcactgt ccttgagtgt ttcaccttct tggataacac acgggccttc 240
tcttctggat ttcacagag attacagcca gatgggggct gaagaccatc ctcttgacca 300
cagaggtgtg actgtnggaa ttcctcccaa tttatgggtt tccca 345

```

```

<210> 414
<211> 2584
<212> DNA
<213> Homo sapiens

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<400> 414
gaggagcagc gactcaagat gagagttcag ccgcggcggc agcagcagca gactcaagaa 60
tgaacaatcc gtcagaaacc agtaaaccat ctatggagag tggagatggc aacacaggca 120
cacaaaccaa tgggtctggac tttcagaagc agcctgtgcc tgtaggagga gcaatctcaa 180
cagcccaggc gcaggctttc cttggacatc tccatcaggt ccaactcgct ggaacaagtt 240
tacaggctgc tgctcagtct ttaaattgtac agtctaaatc taatgaagaa tcgggggatt 300
cgcagcagcc aagccagcct tcccagcagc cttcagtgca ggcagccatt cccagaccc 360
agcttatgct agctggagga cagataactg ggcttacttt gacgctgcc cagcaacagt 420
tactactcca gcaggcacag gcacaggcac agctgctggc tgctgcagtg cagcagcact 480
ccgccagcca gcagcacagt gctgctggag ccaccatctc cgctctgct gccacgcca 540
tgacgcagat cccctgtct cagcccatac agatcgaca ggatcttcaa caactgcaac 600
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tgcagccagc gcagtttatc atctcacaga cgcgccaggg ccagcagggt ctctgcaag 720
cgaaaatct tcaaacgcaa ctacctcagc aaagccaagc caacctcta cagtcgcagc 780
caagcatcac cctcacctcc cagccagcaa cccaacacg cacaatagca gcaaccccaa 840
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gcagtgggtg gaccagcagc tcacctatta aagcaatttt cccagccca acttactgg 1440
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tcctccctct	gaccagtgtct	gctgtgacga	atctttcagt	tacaggcact	tcagacacca	1560
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cacagttgcc	agcaaagtcc	agtcttgctg	ccatggcagc	tgctgcagga	ctaaacccaa	1860
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gagggcaaa	gagagaagg	agaaaaaaa	aaaaaaaacc	acacacacc	atacacaata	2460
taccagaaaa	ggaaggaagg	atggagacgg	aacatttgcc	taatttgtaa	taaaacactg	2520
tcttttcagg	gttgcttcat	gggttgagg	actttctaac	caaaaattaa	aaaaaaaaa	2580
aaaa						2584

<210> 415  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<400> 415	
cctcttgctc	tctgcagagg atcagctggg cctgtccctg ctcagcctgg agcagctaga 60
atcagaggag	acgctgaaga ggatagagca gattgctcag cagctctgag tggggcgggt 120
ggggccataa	acggttcctg gtgactcctg agtcttgctt ggccctgggt cccagcggcg 180
gtggtgctag	aaggtcttat gaagtcaggt gacatttctc actgtcacgt ccacagcctt 240
taatcgagg	agaaggcagc tatccaccag gtacc 275

<210> 416  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<400> 416	
tttattat	tgaatgattt aatggttttc tacacaattt acatcacaac atgtaaattt 60
tagcagtaac	atctgattct aacagcacat catgctattc ctttcataga gccttcagag 120
attcaatgct	aaacaaattt ccttagttgg catcaaggca ctgatcactt tagaggcttt 180
taagaaatta	tttaaagatg caaatgcctc tgagtgaagt gtactatccc atcactgaag 240
cccacaggaa	caagtcctac aatttttaaaa aggtctgatg gaaaaatttc tcaatcctga 300
aatcccctag	ggaagggg 318

<210> 417  
 <211> 1297  
 <212> DNA  
 <213> Homo sapiens

<400> 417	
cctaagtgc	cgcagaactg ccacgtgggg atgagatttg ctgggctggg agcggcggct 60
gctgcgggga	ggctccgccc acgtgaagcc agcctaactg agctctggac tttggggaca 120
gctgtcagtg	gcctaggccg caggacacca tgaagcaact gccagtcttg gaacctggag 180
acaagcccag	gaaagcaaca tggtagacct tgactgtccc tggagacagc ccctgtgctc 240
gagttggcca	cagctgttca tatttaccac cagttggtaa tgccaagaga gggaaggtct 300
tcattgttgg	gggagcaaat ccaaacagaa gcttctcaga cgtgcacacc atggatctgg 360
gaaaacacca	gtgggactta gatacctgca agggcctctt gccccggtat gaacatgcta 420



tcaaaattgt acaaagaacc attaagcata ttgataaaga cagttttaca gacaaaacaa 120  
 ctggaaaata gttttaacat acacaatata taattatgaa aaaaatgtag aacacatatt 180  
 gttctaccag ataaatccca aggttattaa aagtctgcta tgcagacctt taagttgaaa 240  
 aatgtgttca atggagttac atgggttttag aaaattaagt ataatgttaa aattaagctt 300  
 ttttttctca ttgcaatttg ggagaggaac tgagacaact tttttacccc aaatctatac 360  
 agtttgaaaa ataatttata tgtctagc 388

<210> 421  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 421  
 tttttntntt cattgctcag gtaagaattt attaatgtcaa tttaaactan acattactac 60  
 cattgcaaaa gcatttgctc tgaaaaggga ctgaaaaatg catcataaag ttacatagtt 120  
 cagcaacaat atcaatattg attatataaa gtaaaactac tggcaaactg catttaagct 180  
 taccctgtaa tttttaataa ctttataagg agcaaagtgt tcaccttaaa aatgtaccag 240  
 tggcatttac aaattccttc aaactcattt acaataacag taataaaaaat tcctgagctc 300  
 ccttttctta caccagtatt caccaatcaa catccatgcg gtgttttatt tgaccacat 360  
 cctctttcct tttcttaaga aaatatttta tcacattcgt aaaagtatct gtgcttcang 420  
 t 421

<210> 422  
 <211> 455  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 422  
 gctttcagga aaggtttatt gtggtgagtg ctttctgtac agtcaactgc aaatgaaacg 60  
 cagaggatgg gtgcccagaa gcactgcggc agaggcgcac gggagagccg gggccaggct 120  
 catgcaacac gacgtcacc gcggctcggg cctggggcgt cagagaaacc tttttaaaaa 180  
 atggagatga atgttacaga attggacaac ccgaactgct tttcaaaacc agaggaagga 240  
 ggttcttaag ccgttactca gataccagtgt ctggggagggt aggcctgact tcagcaacag 300  
 ctgtgggtgg gctggaggcg gcgcantttg gggnccccca cgccagctgt ctgaccacc 360  
 acctgtgctg gcgctttgct ccgaggggggt cagcaagagc aactgattgg ctgccacttt 420  
 ccaggccccg agagacaggg cctcacgtaa cttta 455

<210> 423  
 <211> 415  
 <212> DNA  
 <213> Homo sapiens

<400> 423  
 ttcttgcttt ctttaaatct ttattttaaaa gtccatgcta ataatgtgtt tacattttta 60  
 cagttacatt atgatagaaa ctggttgatt ttttaaatat ctaaaacaat ggcccactga 120  
 agaaaggaac aattaactct ttaattaatt ccttaggata aatacccaga aatttaacag 180  
 ctagggcaga cttctaatac aataccgaaa gtccttccaa aaaccaagtgt gttgccaaact 240  
 tatgtccctt agcattataa cattcttgag ccaatagtgt aaaaatacgc tgacaatttt 300  
 ataggcaaac attactcaag gtatcttact ttccacttat tactaaaggt aattaacccc 360  
 taaatagatg ctctcaaca gtgggactac atcctggtaa acctatcata agttg 415

<210> 424  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens



<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 424  
aatggtttcac tctttatata taattgaata cttagttatt gtgacaaaaa gttagtagtg 60  
ctaaagaaaa taatgcaagt acatcacctg aaataacncc tgtatcccac gatacatgaa 120  
tccaattcca atgctgtttt ctttctattt cagcaacact atacgtagtt taatagtcaa 180  
gataccactt gaatactatc caagaataat cagatctgct caagttaggt ttatataatt 240  
taccaaggtg atagattctg actttgaaga ttactgacca ctgatcacta agaactaata 300  
ttagctgacc atatgatncc ncaagaacta actttgactg ataaatttga atttcattctt 360  
ttgtacactg aggaaagaga ttaacaattt tctccacatc aagatggctt gtnttgaagg 420  
a 421

<210> 425  
<211> 441  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 425  
tgacgtgtta cctgctattt ttattcccca tttgccatct tctgattggg ggttgatggt 60  
ttacagattt ttttttcaaa ggctttattt cagtttctga ggtaggatg cccctgtgcc 120  
cctcgtcca cactgggca ggtctaaact tcttccagg atggcctcca cacacagcct 180  
cccacctggg gtcacctggc ttctctggggg acccgcaang anggggcagg gagcagcagt 240  
ccgggtgctg ggatcggggg acctcggcgg gggcatccac aggggctgca agacctctgg 300  
tcagcatggc gtgggtgggg agagcgtttc tccctggggg cctgagccag tgactcctgt 360  
taggaccttt gtcccacctc cgctggtgg accggcagga cctggtctag ccagtcctgc 420  
agcctccatt cccccacctg c 441

<210> 426  
<211> 561  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 426  
aatcagcagc aagcagaatg ttaattaata gtctaagatg atctgagagt taattaatag 60  
actaagatta tctgtggtct atttattgac cacaccttat aaacaggata ggtttttctt 120  
attttgagac tttacatgtc tcagtacttt ctaaattgaa atcagagcat taaatcaagg 180  
gaattgatgt ggacaaaaca gctgccagca tgatagtgtt tgtgaattat gtacctctct 240  
tagacataaa ctcttagaca taaactcata aaatctgttc agaactga acagatttag 300  
atttaccata gccataaaaa tttggattta gtgggttagt ctcagcattt catggaatcc 360  
tgagatgccc aaatctctgg aaacttcccta tttcctgttt tactatcttt ttccttttat 420  
caaatgggt gccatgaggg tcccagacca aaactcacca tcctggaaaa acaaaagtct 480  
ggggagagaa ctccnggttt tatttcagat gatataattg ccaatcnttg gaataggtcn 540  
ggtcataatt ataataggat t 561

<210> 427  
<211> 447  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 427  
tttttttttt ttttttgctg agaccggtaa tattctttgt ttatagtagt aatatcattt 60

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ggaatagcgt gtttaagagt aataaataca gtctcttgga cacgggactc acttatcagt 120
tcatactaca ataaaaatcat tttggaaaat atactactaa taatatattt caccaaaaaa 180
caatattaca attttcttta aaattatacc aattatgact catacaatag caacacctag 240
aaaacatttt gtctgacgtc ataaaatgag tgcagatata aaagaatcaa cagcagataa 300
tgcacctaata tcatggatta aagacaaaga ttaaaaagga aagaagagtt tgtcatttta 360
catatcagng gaaatataat aagttaagtc tacaataatc tgggttgaat gcatcacact 420
tacacattga aaatttatca gactgac 447

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<210> 428
<211> 429
<212> DNA
<213> Homo sapiens

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<400> 428
tgaaaagatg aaagctgaaa aaagttaggt ttggtgtagg ttacaccaat ggatgttggt 60
gcctcctact ggtcctaaca aaaatataag tggtagcagc aggcactact tcgcatacca 120
atgtgaagta aaaattccct ttcattctgtg gtcaagtatg gaaaaattat gaaggctctc 180
attaaatcca catttttttaa cccattaaat tatccttata aaaattcaga taaactactg 240
tcataaatgc aactgcactg cctcaaggac ctaaaaactg ttttcctaata caactagatg 300
gcataatcag gtaacagcag aacagatag tctagtgaat ttccgagagt caaaatatgc 360
tactttgatg cttattaaac actgaaaact ttcacaatac taactccagt taagttgggt 420
gaggttaaa 429

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<210> 429
<211> 446
<212> DNA
<213> Homo sapiens

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```

<400> 429
tctgaaaatc agccttttaa tctagttgaa cccaacgagt ggggaaagaa ctaaaacatt 60
tttttccctt cagattttga ttataagaat aacgggtcag aggtgtctct tccataggaa 120
actgacatcc cctatgtcct cagagttggt tttttttttt tttcttcaaa aaaatgcata 180
aaagaatttc aactcatgtg catgccacac atttccatcc ccacccacc ctgcccacc 240
ctctacaggc acacatatc acacaccaa gggactcctt cctgtaactg gggaacagaa 300
tgtaaaaaaa tccatccaag tggccaccga taccagaaat aaccaaagtc atttacactc 360
acaacatcag tcaactcaca tgcacaagga gaagcgtctc caatcgagc ttagagccaa 420
aaattacaaa tggcagagac ttgagc 446

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<210> 430
<211> 614
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 430
agttgaatta gctaaacgaa tccttgattt tatttttcac acagcacaaa tgcaggtagt 60
acacagtaag ttcataattc cccacaaaac ttataaactt aacaaatggg aatctaataa 120
taatattctg aatcacccat agctatccac tgtgtggaat ccattctaca gcagcagagg 180
agtaccttaa tttaaagcac caagtttcca ggcattacta caaatatctt cttttcattc 240
tctaatacat gcagtcaaac tgcctatgaa gcaaatacca attcatctta cgctttaaca 300
gataaggtaa agcacttggg aaatcaacat tattcttaag tctgaaagtg attctacctc 360
tttacctatt atattttctc ccatgaaatt ttaaaacttt aatggagtta tatttaatat 420
gagaataaat taaaatttga acttaatgtc tttcagattc tccagcgttt agaattgtat 480
atttgtttta tgtctgaggg aacaaaacgt aatttcnaat ttagatatc tggctacctt 540
attaaaggta cattataatt tatagcaagg aatatcatcg gttggccaac atacggattt 600
aaaaatnccc aatg 614

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<211> 379
<212> DNA
<213> Homo sapiens

<400> 436
aaccaccacc accacagcca tttattaagt gcttgccagg cactgtgcta aagctttaca      60
aacattgttt cagttattcc aacaaccctg aggtagatat tttcaacatg cctccctcca      120
cccatgttat tatagttgag gaaactgagg ctgagagagg ttaagtaaata caaccaaggt      180
caaaccagc tggtaagtag tgaagctaga aattcaaacc aactatatgt gactccaaaa      240
tccatgcctt taaacactat cctagattgt ttaccattga aagttaaagg acatatgctc      300
cttcccaaaa tatgagaata gatttttcagt gggaaagcag gggggagcca tatgtaaatt      360
ctttcatcag ctatgggac                                     379

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<210> 437
<211> 403
<212> DNA
<213> Homo sapiens

<400> 437
tttttagttt ggttttgatt ttaaacattt tattattgaa atttcaaaca cataaaaaag      60
tagaaatatt agaacaataa gtctccatga aaaaaaact cacttaaata tatcaacatg      120
ttgccaattt agtttccagc tctctttgcc aattattttt cttttgctag aatattttta      180
tccaaatgtg tctatcttca tttcatagta tgtatctcat atcatacgat cttttatttt      240
ttataatcac actgacataa tccctaacca aattaatata tgtaaataatc atttaaatatt      300
tagtccatgt ccacacttcc ctactgtct ccaaaatggc tttttatgtt ttgttcaaac      360
caggtccaag taatgccaac atactgaatt tagttgatat gtc                                     403

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<210> 438
<211> 522
<212> DNA
<213> Homo sapiens

<400> 438
cagtcctaga gcctgcagta ttgtaatttt ttgtaaaacc atgtaaccaa atacttaaata      60
atatccacaa catctatacc acagaaatgc atagtacata atatactaac atctcaaaat      120
aaacttctat tacagtttta tgcaaattat ggtaaaagat tatcacctgc cacattttga      180
aatggcacca acttcaacat caatgcacta gtcaaaatcc ttactagaag tgatgtcttc      240
tgcattatca tctgaacatt caaaatcaag ctgttaatct aataaccaca gtatgttatc      300
atttaaaatc actgtatatt tggatgttaa agcaggtagt aatacagcag gaaaagtgtt      360
tctaattcac agtttcaaaa cttaaagggtg cagttttcaa atatctgatt gcttaaattg      420
gtcactcaat ttaacaactg cctccttcaa tacatgtaaa ctatgtttgc acagcattag      480
gagatgtctt ttatttcaga attagttctt actgttacag ga                                     522

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<210> 439
<211> 353
<212> DNA
<213> Homo sapiens

<400> 439
gttatttaag gatttgttta atgtttttaa attcaaagca ctttaaatta ttttaagaca      60
aaagattaat aaaaacaaca ttacctttca aatacaactt tataacagca cagtgggaaga      120
atggtaaaca gtccctcttt tttttaaaaa aaatcagta cttaaaacca aaggaaggct      180
tatatgtaca gctaattcag aaagggaaca atgacaccta aagacataga taaatgcttc      240
attttaatcc aataaatgtc ctacctactg gatcttaata atgatgtttt caatatgcc      300
tttaaaaata actatccttg aaaataaagt tttaaatcat tcaatataat cta                                     353

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<210> 440
<211> 416
<212> DNA
<213> Homo sapiens

<400> 440
gcatctaact gtccataaat tcatggctac agtagagatt cacggcgcaa cgactttcat      60
actggttatt tttttttaat tctgtcagtg agcagcattt cccagtttta cactccctta      120

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<210> 445  
 <211> 332  
 <212> DNA  
 <213> Homo sapiens

<400> 445  
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 aaatgggtatt tttacattct cttaaccaaa aatataacaa atattttacac tcagtaaaaa 120  
 tacaaaaagc atacagaggc actgtctttc taaaagacat aagtttaaga ggtatcgaaa 180  
 aataggagac aaacattgct tgttacagga taccttacca tcaatgaatt gtgcagtaga 240  
 attgctatct gattattaca gatgtgcagt tttgtttctg tcctttgctg attagcttac 300  
 atgtctcaat tttaaaagat caagttcaac tg 332

<210> 446  
 <211> 385  
 <212> DNA  
 <213> Homo sapiens

<400> 446  
 tgtgatgcag catcagggtgc ttttacttca gtgaatgaaa aataatgggc acaactcaaa 60  
 tgaatgggaa tttaatatga atatatgcac cttaccagag atgtttgcta ccaatgatat 120  
 cttagcaatt ccatattcct tacaaagtca gtataattgt tgtaaaaaaa tcaactgtgg 180  
 ttctgaatac ccattcacag ttgacctcaa caatgtatct gatgtaggag actgagtatc 240  
 cgtgacaggc agaagcatgt gatggctctc agtcccaagt ggaagagcta atggtaaagt 300  
 catatcagaa ggcttcacat ccatagtttc tgataaagga cttttttgta tggaatcctg 360  
 ttcactcaaa gtatgatcct ctgca 385

<210> 447  
 <211> 500  
 <212> DNA  
 <213> Homo sapiens

<400> 447  
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 tggttctcct tggaagtaac aagaacactg ggtaacatgt gaagtgcatt gagactcacc 120  
 tgaatccac caaagtagta gctggacca gtagcctagc ttattgtctt ggcagtgcac 180  
 ctaccagta ccattagacc tggttttctc cttacatag gacagactgg gcttctccac 240  
 tcccgcagg ctggccctac ctccacctgt ccttggaagc tagtatgtaa gtaagggagg 300  
 agtcatcaag tttatagatg ggtaggctga ggattgaggc aggaggggac ttaatggctg 360  
 agtccctggc ttgttccaga gccctggccc ttgagccctt ggactgggtca gtgcatggac 420  
 actctccct cccagctcgg gcggaagact tttctgact tagctgctcc atacacacaa 480  
 tctataaata tgtatttgct 500

<210> 448  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<400> 448  
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 tgcttggttt ctctgaatc cccttggtcc cctaaatagc acccccagtc cccgccccta 120  
 gccagctgc aggtggagta gcagctgctg tctccattca gcagatgggc agactgaagc 180  
 ccaagagtgt ggagcccagt ctgaggtcac acagcagtct cctgggttcc cacttggcct 240  
 tcaatgggga gggaggactt ggctgggct ccgtgcgccc tactgcagg gtggctggct 300  
 gcggcacgtc gcaggagct gccaatctgg tctctgaggg cctccagtct ctgggcccag 360  
 tttggaacct cgccccac 379

<210> 449  
 <211> 433  
 <212> DNA  
 <213> Homo sapiens

<400> 449  
 ttgttttttt tttagatcta ctttcagttt tgtcattttc cagtattcac aatcctttca 60

aagtttcctt taaaggggaa aaaacagagg cttgtaagaa atatgctcaa agaggttcta 120  
 ggacttacag acatcccatt ccagtataag atacaaaagg caaaatgttt cctttaccca 180  
 tgatccaggc tagctccaag aatcctaaaa acgatgtttt aatttggaat ctgggatgcg 240  
 gcgttttgtg gattaacatg tgttctgaca caaggactac tctacttcct taagaaacat 300  
 gagcaaaaat gctttgctca acaacctagt tatgtatgta caaatgggta tcatggctct 360  
 tactgataaa aaacttataa gcaatttctg ttacaaaatc gatcttgcta acagggtctg 420  
 gtgtataagt tag 433

<210> 450  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 450  
 gtggaagaat acagaaatat gtttaatact tagtatcaaa ctaaaaagta atataaaatt 60  
 acaaaacttc ttttttttca tgcacaggct ttttctggta aggaccgctg ggattgaaca 120  
 gaagcttccg gtaaataagg gccccgtcgg caagacagca tactgctgtc acaagtgcaa 180  
 acacccctcc accaactgtc aatgttg 207

<210> 451  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 451  
 caacttgacc taagtgcacat ttatagaaca ctccgcccag caacagcaca gtacatatc 60  
 ttttcaattg cacatggaac attcaccaag atagggtctca atacatttaa aaggntcaaa 120  
 attatgttaa acatgattaa caaaacagaa cattttgtag aagagctaga ggattaagta 180  
 aaaaaaaant tcctaganta cgnagacact aaaagagtat ataagtgaat aattgagggg 240  
 ggatactgtg ccnggaagta cagtgtctac tagaagtttc agaaag 286

<210> 452  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<400> 452  
 ccagtcgggt tggagtttat ttctgccaga gcttgagggc tgggagggtg aaggacactc 60  
 ctttagtccc agagggaagc tccgaaccct cagagcaacc agaaggaggg gcagagcatg 120  
 ggcagcagca ggagtgcagc ggggtccctt gtcttgcctt tttgcaaggg ttcaaggctg 180  
 gtggaggcct ggggcttctg tcgctcagga gttcaggggt ggacgcagaa atgggggaag 240  
 gagagtggct acgtagagag tgagagcgag attcctaaaa agatgcacag agagaccctc 300  
 agagagaagc agagggaatg ggttgccactg gctgaggatg gtggaggagc cgtctcactc 360  
 ccttcctaag gtctatagat caataacgag ggaagaaagg aggacagggg gctgatggaa 420  
 acacagcttg ccaactgtac ccagtcctcc aacaagc 457

<210> 453  
 <211> 526  
 <212> DNA  
 <213> Homo sapiens

<400> 453  
 ttttattcct tcttgaggct tcattttgtt caaggctcact accttgatgat gcttttagact 60  
 tttgggtagg atgaataatg tgtttttcct tgttgtagga aggatccgaa gataaagctt 120  
 cagaagatgg tatactaaca ttttttaggat ctgctgatga agcaatgggc ttttaagttta 180  
 tcatagaagt aacattttta ggggctgctg acagttctgt agataatgtc tgtcgaacaa 240

cataacccat	tgggtgtccaa	gataactctc	ttgtacatga	aggagaattg	gtagcggcat	300
tagcagttac	agattcattt	gggttatttt	tcaccactat	ttcacccctt	gataaactg	360
cagctgggtt	tactacttct	cttagaagag	aaatgtcgg	agagacagag	tggacaggtc	420
cccacttggg	ttgcttctgt	atctctgaca	tattgttctc	tgcaccttgc	agttcaggaa	480
agtccagtgt	ggtaaaattca	aactcagggt	tggaggtaga	tacatt		526

<210> 454  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<400> 454	tttttttcaa	ggattcacaa	actatggcat	tttatttcag	agcctttgct	tacatttgta	60
	caatatatta	cataattcct	cattgtttgc	agatccta	atatacttta	tagcttttat	120
	tctataagct	tttttcttca	acattttgct	gtcaacaaat	ctttacagtc	ctgtacaaat	180
	ttgaataact	tgaaccatt	ttcaacaaaa	ttagttactg	taagcacaca	ctacaagact	240
	gaaaatgctt	ttcttagaaa	agttgaatgt	aaaggattct	gacacgtag	catctacaac	300
	aaaacgcatt	gaaattccca	cgctgtattg				330

<210> 455  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<400> 455	tttacacaag	aaagtgtgc	ttacattggt	gttttgtgtt	atttagtgat	ttgttcagcg	60
	ctcatctctt	ccaccagact	gcgttctctg	aggacaggga	ccttaaagca	cctcacatag	120
	ggtgcgcgtc	tggtagactg	tcgccgagta	ccagacaacc	agtgtctcac	acgggggaag	180
	acgatgaaga	cagcaatggc	atccttggga	agatgggcag	gagaccccat	gacacctggc	240
	acctgggcct	aagctgggag	gccagcggcg	tcccaggag	accacggccc	aggctgggag	300
	cttgaccggc	cagacgccc	tgggtggg	tgggcctccc	gcctgggagc	ctccagtgtg	360
	gcgcctggct	ctgggtgggt	aacaggagct	acaggccagc	aatgcccttc	ctgtcctcgg	420
	cctggctcaa	ggactgggtg	cagagggcat	cagcgatgc			459

<210> 456  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 456	gaaatgtaag	tatacagatt	ttaatttatt	tttaagaata	attgtatatt	ttaaaaacag	60
	gacacgtact	gtatgagtaa	acagcgtggc	taacaccaag	tccacactgg	taagcttttg	120
	agaaccattt	acactatgtt	gacagtagta	ctgctgcagg	cagacagcgg	aagaataaat	180
	aatagtgtct	caagaagagt	agtgattgag	aggataggta	aagagggcgc	ctcatcgtgg	240
	aagctagagc	aggaacacct	cccagtagt	gacatgtgca	aagttccaga	tctccacgac	300
	aaagacagct	caaccactg	gaacaaacag	actccaatg	tggctggcaa	ctgcgggggt	360
	agaagaactc	aggcaaagta	ggcacaggaa	tgggggagat	gagagccaag	ggacaaac	418

<210> 457  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 457	tttttttggg	aggggaagaca	tttactgtag	gtataaagg	ttactattat	taacaagtta	60
	tcactagtat	ttacatgttt	ataaaatgga	aataaaaaatg	acatacacgt	ttggtgccaa	120
	aagtggcaca	tccaaactaa	tatcagtata	aaaataaatt	ttcaagctat	gtgtttttta	180
	aataaaggtc	attgaaacag	taagggggaa	aaaatctgca	tctggcatgt	gttgagatgc	240
	aatcatcatc	acagcaaagc	agccctggg				269

<210> 458  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens



<400> 458  
caccactaaa aaaggctttt attacaaaat gaattctaataaaaaccaggc ctggtcttca 60  
accctcccg ctgggtagag gccctagggt gggctagggt aggggagatg ggggtggggg 120  
gccctgaaag aacagagcag gctgccctcc tctcatcagt ctgagctgct gccctccttt 180  
tataaagggc tagaagagct cttccaaagc cccttgagag agtccccatc cttccaacca 240  
ggatccttcc aaccactgct gtcacaggac cttagcaatg ccgcat 286

<210> 459  
<211> 375  
<212> DNA  
<213> Homo sapiens

<400> 459  
tctcaggacc caatagattt tatttcaggt ggggataagg gacaagcaat gtgaagacag 60  
ggaaggaaag aaggaagtct ctatgttctg aaggactgcc taccctactg ttgagagtgc 120  
cacattctgc ctttttagca attttaatta atttttacta ggacttttgt aacaccacag 180  
aaacctgtg gcttctgtt aaaatgactg tgttacatgc cttattttta ttaaagtggg 240  
atttaacaaa tacttttatt attttgaagc atttcatcaa ttctcgggtg aagcactaca 300  
tcatcgaatg ggaaataaca aatgaaaaat gaaaaaaaag attatccatt cacagtaagc 360  
accattttac tagaa 375

<210> 460  
<211> 451  
<212> DNA  
<213> Homo sapiens

<400> 460  
ttttcctgaa taaatttata atcttagtag aggaaaagtt ctgatgtgat tttaaaaaca 60  
gaatcccttc tcgccttact tacttggtac ttttaaccatt acaaatttat tcaggaaaac 120  
taaaattatt taaagaagag acatctagtt ctagagtaat ctggcacatt catatgtgaa 180  
aaaaattaga aatcacttga tacatctaca gtacacaaat agacgtataa acattgtatt 240  
ttaataatac tctttgtcac ttcaatttaa atcattccat tatgaaaatt tcttaattga 300  
agggagacta tttcttcaaa actctaaatt aaacagagct ttatcaatta agtttacagc 360  
aatatagcct ttagaaatac atatttcttc attttataat aatacttccc ctttaaaaat 420  
ttgccatggt ttgtcacaga tttaaaatac a 451

<210> 461  
<211> 479  
<212> DNA  
<213> Homo sapiens

<400> 461  
tttttttcta tgaaaagatt taatgaatta tgagccattg atcattacaa actttaagcc 60  
ttaatatttc ttctttccta tgtaaaacca ggtaattaaa acagcctgtc tcagtatgac 120  
agaagaccat agtagggata atagtaacgt ctgcttccac atctgcatgc ttcgttaacc 180  
aaccaaagaa agtgctccag gtttcccaag tcaacaaagt atactcagtt acactttccc 240  
tgatcatact atgaattgaa acagaacact cttttgactt ttaatagcac ttttcatcca 300  
cggcacaagc actttcccat tttttctcc tttaccctca atatccttgt gaggtagtga 360  
agggaggag caaggatttt ttttttctat tttgcagatg agaaaactca aggtgaattt 420  
tacaacagtg gttctcaacc ttggcagcat attgaaatga ccagaaagtt tttaaaaat 479

<210> 462  
<211> 240  
<212> DNA  
<213> Homo sapiens

<400> 462  
tactgctttc ttgattttat ttcaaaagta cacaagggtca caaaactaga gcaagttggt 60  
tttcttaaca aattttgttc ttacaaattt caaaatctgc accattggat atataagcca 120  
gaaatcgtac atacaaaatc tgaaactgac actgtcagtt ctatactttg cacacgtgaa 180  
gtgtcagaat attttcttca gtagtacagg tgtatttatc actaaaattc acaattaggg 240

<210> 463  
<211> 435  
<212> DNA  
<213> Homo sapiens

<400> 463  
taagtgatga aagactgacc agtagaaggt ggtgaagatg aagaatagtg gaactggcaa 60  
gtaagaactg ttcagacaag cattcattgt gtaatatcca taaacaaaac tataatccaa 120  
aggacttcca ttttagtatg ttctgatgat gtactctaga ctgtcacctc ctctggctta 180  
cagaataatc cagaactttc catagacatt aatcttgctt aacaaaggct gtttacctat 240  
tatacacaca cattttttaag ggaaatatat gtatatagct ttatctatac acacacatat 300  
acatacgtgt atatatagat ttatacaaat gtataaataa acataatact tttcaatctt 360  
tccattgaca aggcaagttc acattcagca aagtgccacc acatcccata tacacatctc 420  
tgtacagata tacac 435

<210> 464  
<211> 387  
<212> DNA  
<213> Homo sapiens

<400> 464  
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cacagaacac agaggaacaa acaaggagga aagggcgcca cacacagccc agaccaggca 120  
ggagcggccc agccgcggaa gagacgttcc ttgcaaggca gggccctgct ggatagcacg 180  
ccccctggga cgagggtcag ggaccccagg actgcacagc tgcagacttg ctgggaacct 240  
ggtacaggtg atacgcccac tctcgctgtg tgtcagagct tctacctctg catccagcca 300  
tgcaccacc atttccccac aggggtacagg ggcagccttc cttgatccac agccaacctt 360  
tctcctgctg tctctggctg tcagtga 387

<210> 465  
<211> 443  
<212> DNA  
<213> Homo sapiens

<400> 465  
tttaggtaaa agatttttat tcttatttaa ccatgctgca tgtatacata caataccaat 60  
atatacaact tgaacaaata caattttatac ataaaatata atgaaagcat ggcttttgaa 120  
actgatgcaa caaactgtaa tttgtaattt tggccagcat acagtattat agtaatgcta 180  
ctgaagttaa tcattaaatt agtcagacta cagtataagt tcaaaggcac tagaaacatc 240  
tatgttttct tctagtattt ttaagaacaa aaaataattt aaaataaaaac aaatgtatac 300  
attaggaaat tgggcagaca ttggtgtact taaatgtaaa cgctacccat tccttaattc 360  
acagccctgt aggaaagaag actttcctta agagttaagg ggaaggatat taaaaacaga 420  
ctaaaaggaa acaaacaaaa cag 443

<210> 466  
<211> 531  
<212> DNA  
<213> Homo sapiens

<400> 466  
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cttacattta aaaatgtatc aatgcacctt cttcagtagt accacatgaa aatataaacc 120  
tcgttcttcc atatcttcta cgcaggaaga gtgaatgaat agtaccctaa atatcccgca 180  
aagttacttt gtgtacttga cggaagatta gggaaaaaca atccacttcc atatcttgag 240  
cagtagttaa ctagtcttct acctcatctt cccaaatata gtcgtcaaca tccacagcat 300  
aaaacagccg gttaaaacat ggtgaaccag ggtcattgaa atgtttgtaa gggcgcgact 360  
ctagagagag aacccatgca aatccaacag aaatattgca tacagccagt acatgtcatc 420  
ttgttacatc cgtctaattt ctctatggga gttccacaac atgggcagct ctttgagttc 480  
ttctctagcc actccttact ttccatctct tccagtgcct tctgaatcac t 531

<210> 467  
<211> 416  
<212> DNA

<213> Homo sapiens  
<400> 467  
tttttttggat gagtcttccg ttttattaca aaaatgaaga tcagtttgat caaaatgaaa 60  
gcttggtcac aagttttaca tgaatattct aaatacaaaag tctcctgaaa caacatactt 120  
ttgatatgat tttcattttt aaagggatgc aaacattcca ttttctcatt tataatctat 180  
tccaaggcaa agtattttta taatgtatcc tttctgcagt tagatcaciaa ttcacaagta 240  
taactgaaac agacaaaacc ttgtcagcaa aggttaaaag tccttttttc tttaaaaaaa 300  
aaaaaaaaag gaggtaaata accagccctt atgtgttttc agaattttgt actacactga 360  
catgatttgc agtcagggtt ttcttctctac cccttaaggc tacaaaattc tgttgc 416

<210> 468  
<211> 338  
<212> DNA  
<213> Homo sapiens  
<400> 468  
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attgtctttg aaaagggtccc cctcccccg ccaaaatctg tagaccataa gtcttggcct 120  
acactgacct ggtttgtaaa atatcttctt ctgtgtactt ttccttccag cctcaggctc 180  
ttggctgatt cgctcacaac agaagcagct tggctttctt ctggaagtac caatttgaaa 240  
gccaccagc ccgcaaactt agagtgtatt ctccaccctt gggtcacaga acttcgttct 300  
ccccggctct gtaaccaag gaccctacag cctctgag 338

<210> 469  
<211> 337  
<212> DNA  
<213> Homo sapiens  
<400> 469  
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tataaacaaa ataaaccgct aagtttttct ggctccaagc acgccatatg aagcacgcca 180  
atgtcactta tgtgccctga tcacattcag gcaaagtgtt cttcacttta aatactcctg 240  
tgttccatta ttgtttaagt aaaatcctat ttcaaagtc tttgataaca gagaaaccgc 300  
ctgtagacaa actctttgaa agtgactgaa ttaatgt 337

<210> 470  
<211> 393  
<212> DNA  
<213> Homo sapiens  
<400> 470  
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ctaatacaga aataaaacta ttcagcgtct ccgttcttgc ttcattttgt ttcacagaga 120  
tctgcatttc tgagtttcca ggctccaata gcagttctgt taagaacaga cagccagtat 180  
catcctgagc actgaggtat gctttccatg gccgagacct agccctactc attgcgatgg 240  
tctggatgtt cactacttga agagccatct ggaggggtgtc aggatggaat tctccccgcc 300  
aaggcaacac ttgctgatga gcaactttta ggctaagcca agttttctca aaataatcag 360  
cagtaagctg gcgattgggg actagcatga ggg 393

<210> 471  
<211> 545  
<212> DNA  
<213> Homo sapiens  
<400> 471  
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aaatacttcc atactatgtc gacccaaagg caggacttgg cagcaaggct cacaaccac 180  
ccaaacaaat atttattgag caccttgact actacaggcc tagcattttg ctagggacca 240  
tgaggagatgt gaaggaagtt atctcacaca tgatatgtct tcaaggagct aaaaatgcc 300  
gtggataaaa gcaaaacaca tggaaaaaca aagtacaaat aataatccgt gtatattgtc 360

aaaaggaaca ttttatcaaa aggtaggatt gtagctaagg ttggcttgcc ttcttccttc 420  
 ttttattcaa caaacattta atgaaggccc actatgtgcc aagcacttgg tacatgatgg 480  
 tgaataaaac aaacaagggt tctgccctca tttacagcct ggtaggggag acagaaatga 540  
 acaag 545

<210> 472  
 <211> 412  
 <212> DNA  
 <213> Homo sapiens

<400> 472  
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 aatatacaaa catcattgat gcacacacat tccagaaatg cagaggatg ctgctgccac 120  
 ggggtagggg tgcgggaggc ggcctggcct catggcgcat gaccgtgcc cagcccgggc 180  
 ctggcaggta gctggccact gataaatgcc actgggatcc taggagaagc tggggaccat 240  
 gcgtgaggta ctgaagggga ccatgggtgga tggcatcctg ggcactttgt agcttgtctg 300  
 agggaaaggc ctctgctgcc atagaaaagc tggacacatg tcaccctggg gccctgacat 360  
 cctaaaatgc cccactgact accagtcact aggagaaagg tctccggcta tg 412

<210> 473  
 <211> 263  
 <212> DNA  
 <213> Homo sapiens

<400> 473  
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 taatgtaaat acaattaaac aaatatgggt tactcgaatt aaaaaaatgg cacatgtaaa 120  
 tgagcatttt agtacaaata attaaaatgt atttatatta tatagaaatc tacacaatgg 180  
 aagatactac taaaatgttg ctctacagca catcacctca gacaaaatag aattctagaa 240  
 ttctctttta aaaaaaaaaat cac 263

<210> 474  
 <211> 317  
 <212> DNA  
 <213> Homo sapiens

<400> 474  
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 tctgagatct acaaatatct ctacataaca ccaaagccag tgatttaata aataagagga 120  
 atgtatatat cgctttgcaa aaaaatgcct gatacattta tctctatata agatatttgt 180  
 agaatcagtt tccaaggct cacgaaacta aagtgcacac acacacacac accatgtaca 240  
 cacacacact attcaaatca aatggattta tattaagtgc caaattaaat gctatacaaa 300  
 atttataacc agataca 317

<210> 475  
 <211> 295  
 <212> DNA  
 <213> Homo sapiens

<400> 475  
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 ttgctttttt gaaacaatga taagaaattt ttttttaggc aataagatac taagttgtat 120  
 caacaaactg catgggatat ttccacaagg agaggatttt gttccctgat ctagtttacg 180  
 tgacattttt ccttatgctt gcttttctctg agctgactct tcttaaactg acctagatgg 240  
 taccctattt caactgactc agagttcatt caaaaatatg atatggtgac atggc 295

<210> 476  
 <211> 526  
 <212> DNA  
 <213> Homo sapiens

<400> 476  
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 ttctcatctt acaagctcaa aatcagacga atgtatgagg gtgtataatt gttatattta 120  
 taaactgtat caccctaaaa ctcaatgagg acacaatcta tattacattc aacatttgca 180



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<212> DNA
<213> Homo sapiens

<400> 480
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atcatcaaga aaaaaataag gagattaatc cgtctcagta ataaagacag aaaataaactt      120
ggacaaacca catcgttttg aatgcaaacc attaatgcct tctagaatat ctctgcaca      180
atctaataca caaaatacgt aagaagaaag gcaaataagg atgagctcat taaaacgcat      240
ttgggagtcg caacagatct tgcttgaaa gtaaaaccag caggatgctg aattaaaaaa      300
caaacaaacc aacactggag gaactgaggt gcacaagcag tgcacgccac tgccgaggtc      360
tgacatgaa catgctggtg gtctagtttg gtctggggcc tatgcacctg catcgtcac      420
ttacggttaa aaaaaaaaaa aagggaaaaa gaaatgccg gtagtaataa actc          474

<210> 481
<211> 450
<212> DNA
<213> Homo sapiens

<400> 481
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ccttgtacag atgacaatct gtatacatgg ggcaggaaaa tgcattcatt tgaacttttc      120
acatctatct cacacagctc acatgtacag acaataaaac tgctcaagca agtacagcaa      180
aggaaaatgt ctttccttat acacaggggt agatgcctct gtgggggtgtg gggcatcccc      240
actgcacggc ttcacaactg tgtggtgttc aatatatcag gagagagaaac aaacatgcat      300
tggaataat actgtacaga gaaagtcctt tacatctgag tcatagaaaa cctaaaggaa      360
aactaagtgc attaaagctt tttccagcaa gtgtcttgaa aggacagcaa agaggaggaa      420
gaatcaaaat catattagta caaatcactc          450

<210> 482
<211> 135
<212> DNA
<213> Homo sapiens

<400> 482
gatcccaaag atattaaata tatgcaaata ttccaaagtc tgaaaaaatc caacatccaa      60
aaacacttct gacccaagca tttcagataa gggaccagaa ttattagatt aaataaggta      120
tattattaag ttaaa          135

<210> 483
<211> 205
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 483
gatccctcac tttatttata ttccactat aaccagtaag ttcatttcat aggcctatc      60
atgcattaat cattgnatgn nagnagttaa tgaaaacttt tcctgttaca acgccattg      120
ccggcaatga acgtaccaa accgccaagg aagtcattgt tattgcacaa tacatgagga      180
cctggagctt ttccaaaagc ttaaa          205

<210> 484
<211> 409
<212> DNA
<213> Homo sapiens

<400> 484
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gccagatact cagcatatta ggtttcttac gtaagtcaca gggtaatatg ttctaaatat      120
ctctaagtgt atccaaaacc ctaaaagag ctggcacaaa accatcgtga atgactgcct      180
ctcttgatgt aaatttttaa aaatattatt acagtatcat agtccccact aacaacaact      240
ggggtacata taacaatgta ttgtgaaatt aagtgtattt attctcttta ccaatagcaa      300
atgytaccct accttagtaa aaccaagact tgcttcaatc aatbctgttt tgtaaaatag      360

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caaagcaacg aatgctgaaa tcattcaaag ctgcattact tggggtaaa 409

<210> 485  
<211> 383  
<212> DNA  
<213> Homo sapiens

<400> 485  
aaaagctaca aattttttatt tagctattat taaggcacgt aggcacacgg acagaacagg 60  
tctcataggt aaccagttgt gtttcctaata aggggtgaata catatcattg ccatgaatac 120  
atctttttatc ataaaaatgcc aatgagcatc aaaagtaaat ggtttgattg ttgttggtcac 180  
tgttttggtt aagaaaaata gggccttaaa ataagtgtt cagtgggaatt cttgaacagt 240  
aagtagcctg ttgatagtgg acctagttaa aagcaccaca caacaatgtg tgttttacatc 300  
acccctttat ttcatagtta gaactaatac agttccacag ggtaaattgt caataaataa 360  
tggtgtttta tcattaaaca taa 383

<210> 486  
<211> 204  
<212> DNA  
<213> Homo sapiens

<400> 486  
agaaagagga ttgtaggttt tattgactaa gaagataaag ggatgcaaata tagttataca 60  
ggtttttaatt ccagacaaca gaatagtggc tattaacaata aaaatcagta agtattctgg 120  
vcagtgttaa cttgaatatt caggtagggg rttttattgg aaatacgggt ctagrgctag 180  
tggaaggbga acgcctagag mccc 204

<210> 487  
<211> 425  
<212> DNA  
<213> Homo sapiens

<400> 487  
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tactcaattt gaagttattc aataaagtca aataataggt aaatacatat gcatacaaga 120  
aaatcagaaa atcttaaaat atttaatacca aaatgaagca agaaggatct tatgtggtct 180  
gaatattgtc actttttata aaaccaagcc tttcctcctt cagcagagaa ggctgaaggt 240  
gaacaggacc aacagagatc aaacaggggc acagaacaga aagtaggggg aggaagaaga 300  
gatgttttat tccagaaatg aaggaaagta aattatgttt ttgtatccca aagtcttagg 360  
aggggttagg catgggtggg ctcatgcctg taggtccag cacattgggg agggccgagg 420  
caggg 425

<210> 488  
<211> 141  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 488  
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gtgagtattt atcatagaag caacagcaag accactacta ttgctatatc taagtaatat 120  
cccagttaat tgccttagag t 141

<210> 489  
<211> 421  
<212> DNA  
<213> Homo sapiens

<400> 489  
gagttttatt taatgtcggg agcagattgg gtaataaaat gtattttgag aataagactg 60  
ccttttgacc ttttagggtc tagggctgta aagtgtctca gggttgctgc caaacaagtc 120  
atgaactggg ctggattttt atatttgatg aaaaagagcc taaatgctat ctgatttcgg 180  
ataaagaaaa aggagcatta accttgacta tgccttttagc tccagccacc tttttaagag 240  
taaattgctg ggcaggaggg ggagggctag tcacggaacg aaactgtaag ccggaccagg 300

tgtgaggagg ggagggcgata aaaagattat aggggtggagg agcagaggct gaggaagaat 360  
 tgggacctag ctccggcctgg cgagaagcag cctgggagga agggagaggc cagatgggtc 420  
 t 421

<210> 490  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 490  
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 aaaatcctga aataatttaa actgaaggca cagaacaaac caaaatattt aactatcaga 120  
 actaaaaatc gagaaaatcc aaatagttct atagtaacaa taaattatga acaagtttcc 180  
 gtcaacanaa ta 192

<210> 491  
 <211> 433  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 491  
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 tttcaattaa catttagatt aggtatcatt tgaaaactgt tagtatttta ccaacattct 120  
 gcatttcctt cttaagatac aaagtctgta ggagtctaatt tcctgataga aaaaaaaaaat 180  
 gtgggaagga tactaccacc tcccatcaat tcatgttctt ctacttatac tgttcaaata 240  
 tgggaatgtc cctattctcc tctgtccctt tcaaaccaat tcaacctaaa ccaaatgttt 300  
 aaggtgccct taaaagggca aggaccatta tacctatttc aggctggggg gnccaattna 360  
 aaattgggga aagggatcct tagggntttt ttcccctatg gcctttcccn ggaaccgga 420  
 ggggggggat tat 433

<210> 492  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 492  
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 ctcaacacag gtacccccaa aatacaaatc aaaatatcat cttcagctgc atagcaaata 120  
 tgatttaaga atttaacatc attatttgat cacaagcgta aatatgtcac cataaataaa 180  
 tgtaaattca ttgtacaaaa attcccaaca actcttaata caaatatggg tacatttgac 240  
 agtttctgaa acaggattat ttttaaaact ttttaaaacc taaggcttta tttttttccg 300  
 gggntattgg acacacac 318

<210> 493  
 <211> 484  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 493  
 attatanaaa tagctgcaaa attgtcctct tagctgaaaa tcatggatga cctcagggag 60  
 ggtacagaga ttagaagaaa ataaagtagg catgccaaac atttcagagc tagagtgatg 120



taagatggta	atataggcca	gatcaggaat	tagaaaaaaa	ggataaagag	caaaacagtgc	180
cctcgtggcc	agcaacctta	tagtcatgta	ggactgactc	ccctttgtag	caaagaaagg	240
tgagactggg	tctgcagggt	gacacctcca	acaggagggc	aacctgttcc	agctctaaca	300
tttctttcgt	tctaattact	ttcctctttc	cttctgataa	ttccaccctt	taatgccttc	360
aaaaactagc	ttgccctgat	ggcaaaaatc	ttaatcccta	aaatctcttt	ccnttctaaa	420
atcttcttcc	cacgngtttt	tagggctggt	cactcaggan	caagctgttc	taatttaaat	480
gttt						484

<210> 494  
 <211> 432  
 <212> DNA  
 <213> Homo sapiens

<400> 494						
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gatcaccact	aggcctaggg	ggcatatcaa	gggtttaata	gactggggga	atgggcaaca	180
gaactggcta	ccttagaggc	tctggaatgc	ccccaccca	tccaccacc	aatggaagga	240
aagtcaggca	tcgctaaaag	gagtggtccc	tatctagccc	caagtctgga	gcagaaaggg	300
caggtccatt	ctggcccaag	tgacattggt	aagatcctgt	cccctcccc	aatcactgct	360
gcttgccagg	gtgcctcttc	acagttccca	tgtggcagca	gtagtggcag	aggcagaagt	420
ggacttattg	ta					432

<210> 495  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<400> 495						
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ccacaaaaaa	caaattttat	acaaatcagc	actgtaaaaa	tgtcaattac	agccccagag	120
gctttgctgg	cagaataatt	gtctaaattc	tagaatatgg	gaaacagggt	tttttctgga	180
ttcatctttt	tttttcattt	tttttttttt	acaaaaaaaa	tttacaagtg	aaatgttact	240
acaaaacttt	ttataaggaa	tttttgcaaa	acattttacat	tttaccatca	actatttctg	300
ttttaaaatc	attatgtaga	tttaataccc	tatgctgcac	atcaatttat	gtgggatgac	360
aacttagtga	catgcataaa	aaaacaccac	aaggcattaa	aatggagact	taaatacaaa	420
tattgttg						428

<210> 496  
 <211> 250  
 <212> DNA  
 <213> Homo sapiens

<400> 496						
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cttgtagtaa	taaaggaagc	agccttgac	tccacctcca	cactccagag	tataattaaa	120
agactcctat	cagacatttc	tatcaccaat	aatgccaacc	tctgtatata	gcagcaagaa	180
cgggcccaaa	tcagaagatt	catgttgctt	gctttctcta	taagggaaag	tgaagctttc	240
ggtaagtatc						250

<210> 497  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 497						
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tgagttttga	aaactaccct	ccaagatgct	gaagtatggt	tactttttct	ttgtaaaagg	120
gggcttaacc	tatgtttctg	aaggcttaag	tctgtgcaga	taaattatat	gacatgtatc	180
tgtttttaaa	acactctata	tgctgggtact	cacatagaaa	tagaagccag	aatgagaagc	240
ctcccaaatt	atcccatcct	gacag				265

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<210> 498
<211> 193
<212> DNA
<213> Homo sapiens

<400> 498
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aaaatgattt gctattgaca agtctcaaag ctgtcatggg aactcaaaca agttaccagt 120
ctgttcaccg ttcattgtat tctataaaat atttgataac agtcacccac tacagacatt 180
cttttcccct gtg 193

<210> 499
<211> 319
<212> DNA
<213> Homo sapiens

<400> 499
tcacatcctt gtaaagtgtga actgtgatac tatgaagagg tggaaggctg aagaattcaa 60
aatgttcgcc ccagaaaata ttgtctgctt tggctctgct ggttgtagca gcaaagaggg 120
tatcatcaag gcacagttcg cagaaatatt tcttttttagg ggcaagggtcc ttggcttcaa 180
tgatccataa acgaagaaca ttttcagctc gcttgcaatt gtccttatta ggttgaactg 240
tcttgccaag gttttccatc cacttgcttc tctcagaagc agaattacag ctgaagcatt 300
tacttccact taagtaggt 319

<210> 500
<211> 453
<212> DNA
<213> Homo sapiens

<400> 500
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tatgcatttc acagaagatt agtaaaactg atggcaactt cagaattatt tcatgaaggg 120
tacaacagat ctttaccaca attttcccat ggtcttatcc ttcaaaataa aattccacac 180
actatcaaac taaatcaaga tttgctagtg gataaaatta ccataaatat accgtactct 240
ctctgaaaca gctacaaaca tcttggtttt gcaaaatata caatgtttct caatctttct 300
gtccttatct caatttgcaa aaatatattt aaacaatctc ctttaaagt tattcttggt 360
aatgagggca aatcttttaa aatccacatg ctagatcttg aaaacgcttg agaagaaaat 420
aaactgtgaa aggagtgggt atttaaatac ttc 453

<210> 501
<211> 298
<212> DNA
<213> Homo sapiens

<400> 501
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tctcttccaa agttctttat atggttggtt aaaaataaat caaaacataa cagatacatt 120
tgatgggtaa taagcatttt acattctgta ataaatttta gaagatatta ggggcaattc 180
taaaaaaaaa taagtttatc taggattcct tcaaggtttc ctattttgct tctccattt 240
ttaagttaag aacacaacaa aaatgctttg aacaaaagca aagacagagt agtgtagc 298

<210> 502
<211> 303
<212> DNA
<213> Homo sapiens

<400> 502
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aagacatacc tctgtaatga taaaggaaag aaaacaagct ttccttttaa gaaaccaaag 120
agcacaaaat aagactgttt cattatacat aatcaccaca ggatattagg cactctgaca 180
gggttaggca agattcttg tgtgaggtga agcacaggca ctttatttgt acagtgtgc 240
tgattctaatt tttgaaggta ggtattataa aagtctttac ttgtcacctt atttctggcc 300
cca 303

<210> 503
<211> 320

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<212> DNA
<213> Homo sapiens

<400> 503
atggttgtaa aaggaatctg taaaagtcag ttttatcaca aattgtaaatt attattgaaa 60
ttgattgcaa atttagatca catacaaatt agagtctgac attcaactgt tttcctatat 120
tccaaagtaa acaattcctt tcaacactca agacttaaac aggtattctt agaggggttat 180
atgaattgct atcagaagct gttggctaac aagccagtaa tttggttctt tcaccagaac 240
acagttccag ataagcatct ttgcactatt tctcaagtat gaatcccat gtgggggggaa 300
aacggatata ctttcaatag 320

<210> 504
<211> 412
<212> DNA
<213> Homo sapiens

<400> 504
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tgatcatctg ataaaagtaa gagttgacaa aaaagggtaca tcttctccaa tccgaaaaca 120
gaaagtggga aagatcaagg tatcactaga ggtcaatgaa acaaaacata caatagtggga 180
tgacaaaagc caatctctga atctttgaaa agaataaat aaatgaacat ctgaaaccag 240
tgatcgagaa atgtttttaga taaggcacia aaagatacca agaattgttaa cactaggctg 300
tacatcctaa aacagtcaga tgagctcact gttataattc tgggttcaccg caagaacctt 360
agcaciaaaga aaggactcaa caaacatttg gatccatgaa taaaattatc tt 412

<210> 505
<211> 351
<212> DNA
<213> Homo sapiens

<400> 505
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ttgcatagaa ttccattgtg tatatcgatc gtgatttctt ccaccagatt ttgttgatgg 180
gtattttttt ggggtgtttc tgggtctttt ttctcatgac tacatcttaa ccagtgggtc 240
taagatgtgg taccagaac aacatcatta ctacctaaaa atctattaga gaatgaaaat 300
tattgggtgg aagcccagat ctactgaatc agatactctg aagtgaggcc c 351

<210> 506
<211> 497
<212> DNA
<213> Homo sapiens

<400> 506
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cgcttcctct ttcttcttcc tcaccttggt catggtctggc tgttccatca gcagaacttc 120
cagcgattgc cacattcatt gcataagaca aaggtagtca tgggctcatc agcactgcgt 180
gtctgcacct ggttataggc gcagttcttc ttcttgcatc tgctgcatc gaagaggtca 240
gtgggtgggc cgccagtctt ggccatctgg tgctcacgga tggcctcctg ggtcatggca 300
ttcctcaact cctcagttc atcactggcc atttctctct cgtcatctt ggctataagc 360
ctgcgagat ggccccactg agcacgttcc gccgcacgcg gggttcctgg ggtccttgag 420
gttgcttatg cggctgcgca cgcggttccg gtacttcatg tccgtgctct tgagctcttg 480
gtagatatga tcttcga 497

<210> 507
<211> 449
<212> DNA
<213> Homo sapiens

<400> 507
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ctcaattaaa agtaccacac aaaacttttg agccttcatg ctacttcaag ttaaaaagaa 120
agcaatgcag cttgtgggtt tcagaaaact gggccatccg gatgttcatg cagtacaagt 180
ttcaccacca tactatttcc gagagttcac atttgtcaaa gtgcagttaa cccaaagttg 240

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cagcgacagt atatcatgcc agctgaatcc agccacgtat ctgagatagg atcatatttc 300  
 tgcactgtat tcagatagga agaccctgag tgaccaccga cgacataaag gtagttatcg 360  
 attacagcag caccaactcc tgttctaggt tctttcattg gtctacacac agtccactga 420  
 ttttgatgag gatcgtatct ttcaatgct 449

<210> 508  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<400> 508  
 ttacaaaaga aaacacaaaa ccagaattta ttgaaagtag gtaccagctc tgattagaac 60  
 aatcagctca aagataccat tactcagaac aatatataca aaaatctcag ggaaaggaga 120  
 ataaaagaac ttaaaagaat acaacttgaa caggactggt ttactaaaat ggtcttggtg 180  
 caaaataata acaaatacca cagagagccc tacatgagaa agccatgtgc cttcaagcct 240  
 ggggatgagg actctagttc tcaaattctt agaacatagc acatgattct ccaggcagag 300  
 aggctggctg gagaatgagg acctcactgc tgactctgct taacaaagtc catgccccag 360  
 gcacaggcac acatggaatg aggccaccaa gcaagtca 398

<210> 509  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<400> 509  
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 attacaaatc cattttctcta actactgaat tttccattta actcatggca ttaggatgct 120  
 gaaatgaaaa aagcagtcag ttacctcttg taacaacgga ataatagtat gcaggggcat 180  
 ccttaataca gtcttcttta taagggtttac attcctagtt tgaagtactt tctgtgagaa 240  
 aataaaaagga ttattaagat gagcatactg acaaaccaag gacatcacag aaaaaaaaaa 300  
 gtctgtaaaa atgaatccct taaatcattt aagaccaagg caataaacta caaactgaat 360  
 ttagcaaaaa taaagggttg agggactgaa tggagtatgt tatattacgt cttgtgctta 420  
 acagacaagc acagtctttg ggtatcagta aatttac 457

<210> 510  
 <211> 391  
 <212> DNA  
 <213> Homo sapiens

<400> 510  
 gcagctggtt taaaagtggg tgagttcttg atttgattct ctgcttggtc actgtagatg 60  
 catagaagag ctactgatct gtgtacattc atccagtatc ttgaaacttt gctgaattat 120  
 ataatcagtt ctagcagttt tctgggggaa cacttagggt ttggaaatta aataacctgc 180  
 tcctgaatga gctatgggtc aaaaacaaaa tcaagatgga aattaaaaaa ttcttgaact 240  
 gaaagacaat aatgacccaa cctatcaaaa cctctgggat acagctaagg tgggtgctaag 300  
 aggatagtct attgccttaa atgcctacat caaaaattct gaaagagcac aaacagacaa 360  
 tctaaggtca caactcaagg aactagggaa c 391

<210> 511  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<400> 511  
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 tattttccatt gcatattcca catctattta ttttactttt tatttattat cattattttt 120  
 caciaaggta caaggaattt cagaaacaac attaaaacaa tcattcaaac tgtttcaggc 180  
 acggtttcaa ttaaaagcat agatttgatt tctgacttcc tgtttccttc tatgatacaa 240  
 tctcaagttt tgtttcagga agcacaatta ttgtagcgtt aagggtggata cctgccaaag 300  
 ctcatctcct agtgctgtcc tcattctcag aaagttcctg agtcaacaga aaggggacgc 360  
 ccagggtatg gaataaggag atgagagcat gctctgccaa ctggctggga c 411

[illegible]

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<210> 513
<211> 366
<212> DNA
<213> Homo sapiens
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<210> 514
<211> 418
<212> DNA
<213> Homo sapiens
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```
<210> 515
<211> 195
<212> DNA
<213> Homo sapiens
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<400>      515
gatcagaact gttaccaaaa aacaactgtc agttttattg agatgggaaa aatgtaaacc      60
tattttttatt acttaagact ttatgggaga gattagacac tggagggtttt taacagaacg      120
tgtattttatt aatgttcaaa acactggaat tacaaatgag aagagtctac aataaaattaa      180
gatttttngaa tttnt                                     195

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<210> 516
<211> 125
<212> DNA
<213> Homo sapiens
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$\langle 210 \rangle$	517
$\langle 211 \rangle$	353

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 517  
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aaatacaata attgcaaagg aagtgggaacg tgttcaaaca gaaatgggtga caatgagtta 120  
gaactgcagt tntttcaagg tactacacta ttatttataaa aaaaaatcac aaanagaaaa 180  
atgttatcac tacaagtagg gatttaggaa gngagnaaat tctgggcagt ctgtctagna 240  
gggttataaac atttcatggc atttgtgagt tgctgttgga gagttgtttt ttatttgtcc 300  
accgtaatct gggcaacatc cgggggctta ccttcagctc tcggcactgt gcg 353

<210> 518  
<211> 290  
<212> DNA  
<213> Homo sapiens

<400> 518  
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tttataaata aactttattc atataaaaca ggccaaacat ctgactttca aaaatggcta 120  
ctgttataaa atcagaaaca tagagtgttg ggaatactga aattttctaaa cctttatgaa 180  
taacacaatt gcttaagtta tatccacaaa gaacagaaaa gaggcaagct tgaaaatgtg 240  
aggatagaaa ggtatcacag tgatgtgttt ttacgaaaca gtaccttccc 290

<210> 519  
<211> 453  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 519  
aaaatcaaaa taaaagatat tttttgagct attttcatac aaactggttg ttccttatat 60  
cctcccttct ataataaagg gcatatttta ctgcaaagaa aattttactt tatatatatc 120  
actagccata aatttttgaa tgtcattaat tacatgttgt ctagtaccat taaccaaata 180  
gcgtaactat tttatgtcca catttcactt ctgtattttac aaacatatca gtaaagagtt 240  
aacaatgaga tgcgatcaaa catccatatt atctgttttg tagacagcaa tgtagatgat 300  
tttgtaatca cctttcatcg gagtgacctt atataaaaaa taagtcaata atttagaggt 360  
tctaagtctc caaaggggga ttttcctaat ggtaaataa ggaaatgggg tataggataa 420  
tgggganttt tagggaaccc cgggccttgg gnt 453

<210> 520  
<211> 434  
<212> DNA  
<213> Homo sapiens

<400> 520  
tttctgtttt tatttatgcc tttattttatt tttaccaata gttgatatac ctatataata 60  
ttcacgtgcc acaaaaatat gagaagatta catgtgaata ttgatctcat gggtgataaa 120  
gtatacaaaa tggtgattaa ctgaagcaga aatccattga gaaatgctta taaccatcag 180  
gtattacatt tacagatgtt gccaaagtcaa agttgaacat ccacagtggg aactcatca 240  
taaactctgt ttaatcttta aaaggagaca gagaaatagc caagtacgta gaataaaatc 300  
tgcctaataa ttctcctacg attcttctat gcttgagttc gttttatagg agtcttatta 360  
catgcacgtt tacattcctt cccgatatac atattctcaa ggaaacgtgg catcctgtag 420  
cccctgctta gaat 434

<210> 521  
<211> 346  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 521  
aatcttacct atagacttgc atgattcaag ataaaaatgct ttttaaagga gaaaagggtac 60  
agaaaataat tttaaattct gccggaaaga ctggtataat gttctaaagt cactcactgg 120  
ccataaccta tctttgctcc ttaattttctc attaatccta acatcacctc tagacacagc 180  
ctggtatctc caacgacact cctcttaa atagccttgcc tagacctgct tctcagcatc 240  
aactgttctt tctacctacn atgcnctcct ctcccatcca aaggatctct cttttaagac 300  
ctaaattgag ttcttccagt aaactttcca caacagtcac agccca 346

<210> 522  
<211> 304  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 522  
tgtagagaca ggcgcttact atgttgccca ggctcggttt taaactccaa gcctcaagtg 60  
atcctcctgc cttggattcc aaagtgtctg gattatagtt gtgagccact gcgccaaca 120  
ttcccatgac tttttgtga aggaggcatt caccaagctt ttcctaattc ttaccataag 180  
ccaggctctg cggtaaacac cccacaataa atgtttatca gaggacttag cagggaagta 240  
cattaaatgt taacgcctta atctgatact gaaaataaaa gataatttca acttggtttt 300  
tnaa 304

<210> 523  
<211> 147  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 523  
ttgacaattt taaattataa tttttattcc tcagtcacca ctgctaattc ttcaatttat 60  
ttcaaagtaa cttctggttt ttattacatt tggaagataa agcaacttat cacatgtagg 120  
ttacaactta aaattcgtgn attgang 147

<210> 524  
<211> 307  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 524  
gattttttata ttttattatg tgtttccttt tactgaagat ctttgtatct tcataaggct 60  
ttgaataaga gagtttggtg aggtttatgg gtacagatca atataataat aacgggttaac 120  
aatttttttt ttttgagata gggctctctc ctgtagccca ggttgaggcg cagtggcgat 180  
actacaagcc cactgcagcc ttggtctccc gggttcaagt gattctcca cctcagcctc 240  
cccgagtcac gggnaaaaaa agggccctng ccaaaaggcc tgggaaaaat ttttgggnaa 300  
tcctttt 307

<210> 525  
<211> 403  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

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<400> 525
gcaagtttaa tgtctctgct gtacatagan ttaagaccct ttccccctcc tcatccttat    60
gctggcaata ggatatgcac tagaaaattht gactcttaga gtcaatgant aaaaggatgg    120
gctcatacac cttcatagct cttttcaaaa aggatgctta taatttaaag gatgtcctaa    180
tggaaggaa aggtacaggg caagaggctg ttccacattt tagtccatta gtctttgggc    240
agagccaacc aaggccaant tcacctaggg atgcccaatg gctgtggggg atctccacag    300
gggtcaaggt aaggcaaacc ccaattggaa catgtttggg atttaaaaaa aaaacaagtt    360
ccttggaac tctttgnagg gnggggcttt caccctggna aag                                403

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<210> 526
<211> 430
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 526
ctctgtctga aatgggacat gaaaggagta agaggatggg ggtgaaggga agggaagggg    60
ataaggaaa gctaggtggc cacatctctc tgctgtgacc tcgccatctg gaaaatnttc    120
tgaaaggaaa aaaaaaaga gttattggga aggcacatct cctcttatct ggagacaact    180
ccacaaacag aagctaaaaa ggtatgcctg ggatgactca atctgattgg ccacatcttt    240
cttgatataa cttctcatct agantcatag ctttttagag ccggaaggga cccttgggat    300
attaattacg tgggttcagt ccttccctgt ttccacagaa gaggaaaact tnaaagctta    360
ggggaggcct gattttacc cnaaattha ccaccagngg gggaaaaaaa ngcccngggg    420
ggnaaccccc                                430

```

```

<210> 527
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<400> 527
ggctttcata attatatttt tcttttaaag aaaaatatca acccattgtc aatgcactgt    60
ttttcaaagc atttaaatag agggtaaaac ctttggaata ttaatacaga agaaatgatt    120
cactttatgc ataaaaaata aataataata tagctgagac atgtgggttg cttctgctct    180
tgaagatgtg aacagcttct aagcattcat tttctctgac ccatacaaca gcttctcagt    240
gatacagggt ttaatttaaa cacatacaat gtccaccccc aaaccttctg cccacatcta    300
caagttttat ttattttgtg ggttttcagg gtgactaagt ttttccctac attgaaaaga    360
gaagttgcca aaaggtgcac aggaatcat                                390

```

```

<210> 528
<211> 144
<212> DNA
<213> Homo sapiens

```

```

<400> 528
gcatgtgcaa aacaccagac acatacagaa acaattagga ttctatgagg gcagagaatt    60
tgtttctcta aatggggctg ttcaatgttt cacagagcac aaggacaaga aattcaatat    120
ttttgagcag aaggaagaac tcat                                144

```

```

<210> 529
<211> 315
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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```

<400> 529
gcttctaaat ataaattttg ctatttagcc atcagctaaa tgatctaaat gcaaacccca    60
aagtttccag ttaaaagtat aaanctgct tctaaccaca gcagcatact gcttcaagta    120
ttctcctcct atgtaaggct gagataattt tgtcacatat gaattttagg tggacatctc    180

```





tgcgcaccca	caggaagagt	gcaggctttt	cacatttcag	aggggtgggg	gggggtgggg	300
ggggcggggt	gggcccctgg	cttttggggc	tgccctccag	cagccctgga	aggacacagg	360
cgggtgatgg	gggagaaagg	ccccctctcc	caggggaggg	ctccttgtcc	tgagcttggg	420
ctnaggtctc	tgttccagta	acagatgctg	gtttttgttt	tgtttttttt	tttaagacaa	480
ggntnecgct	cgtgcc					496

<210> 534  
 <211> 492  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 534						
aagaaagaaa	ataggaaaag	gtgtcaagca	tagaggaaca	ctcaaaagag	acaaaacatt	60
gacctcagca	ggccaagaac	tggtgaaaaa	taataagatg	agacaatcct	ggggctgtgt	120
gggcagtcgt	gttccctgag	gccacatttg	gaacagtgc	tctttatgcc	agaaatttga	180
gcccagagatt	actacattgt	gatcttatga	tcaaacctaa	caagacaaag	acacagccaa	240
gtggtactgc	ttttaatatc	tcagagttag	ctgtagggat	ccaattattt	tcagtttgga	300
tacatttccc	ctttatcaat	atctccatgt	gcataaataa	gatgaaagtg	gagttccaga	360
atcaaaaaga	gatgggaact	cacatcactg	gggcagactt	gttccatctg	gaagtgtacg	420
ggccagtcct	tcccacgtgg	atttctgat	gtctggcccc	aaatcttctt	atcgaaggcg	480
acatcctttt	tn					492

<210> 535  
 <211> 489  
 <212> DNA  
 <213> Homo sapiens

<400> 535						
ttttctgtgt	gttaaaataa	tgtaattctc	cctgtacatt	tctgtccaca	tgagccaata	60
aacatcaaga	atacacactt	tacagtattt	acctgtttta	agacattcaa	gtcaattcag	120
atggcaaaag	tagaattcaa	tcactagtga	aatgttttaa	aaatatatat	taaaccacaaa	180
aagtgttttt	acaagataaa	aaataatctt	ccacaatgta	attaattgca	gatcactgaa	240
attttaactc	tttagatgat	ttcagttcag	ttttttgggt	tcaaaatcta	gagacagtca	300
aacaaaagca	caggcagaat	ctctatctgt	ttttacgttt	ctctttcttg	ctttgactac	360
ttgttgcgct	gtttaaagac	gatgatgaag	gtgctcttgc	atgacctgtg	gccttttagat	420
gggtcaaaaa	gtttattccg	agatggaaat	tcactatggg	caggttgtac	agctggataa	480
gaacactca						489

<210> 536  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<400> 536						
catttttctt	tttagagaca	gctctgaaca	cagaatgatt	tcataatcag	ggacattttt	60
gagacaggag	acttcatggt	tccaggcttt	gagtgagggt	gagaactcct	aaaggaccca	120
cccaggagat	gacactgcct	gaacagataa	ctgtccctgt	cgctccccc	tccactctac	180
agcgacaccc	cttccacagc	agtcagctgt	tttccaggta	caagagacac	ctcaccaccc	240
tggccagttt	acagaccagc	tttcgagccc	agaaatttcc	ctgtaggaaa	tttgtaagga	300
ccactggctc	atggggagga	aataaatcaa	taaaaggaaa	aaaaaatgaa	taatactgtt	360
tttttaaga	gagaatgcaa	tcactctttt	cttaagaaga	cagaaagcca	aggcattata	420
tttaataaaa	aatttaataa	attgaatgat	tttaaaaga			459

<210> 537  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<400> 537  
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 gaggggtctc caatgaagag gacctagcac tgggaagggtga tagccccaga agagaagagg 120  
 cttctttctc actgtgaggc agaaacaaat ttatctgtat gtaaactttt ccagtaaatgg 180  
 gtgatgctgt gacacctgca gaaagcagcc tccctctgtt actactataa acaccattc 240  
 tgcaggcagt gtgagggcac agccttctgg agtgccacac ctgggtacca cggcacactg 300  
 gtgcatcccg ggaagatgtt cctagggcac cacatcttgg gtaccaagag gactgtgtgc 360  
 atccaattag accgaggtgc aaaagccaat gcgtcaacat c 401

<210> 538  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<400> 538  
 tttttttttt tttttttttt tttttttttt tgctggagtt agtttattaa agatgcctac 60  
 ggtgaactct ctggcgcagg ttaaattgcag ttttgaaaac ctggaaacat caaatggagg 120  
 cgggaaatag gctggggcga cgttgagggg ctgaacacag cagtgcacgt gggtcagcag 180  
 gtcgcctgcc cagcagctcc tccaggagag ggctcgggag cccctggcag ccgccatacc 240  
 cccaggacct ggctcgtgag tgcgtctggg tcaggaagag acctctctgt gcgtctcagg 300  
 ctgagatgca gatttctgtt ttctaaaact ggaagcgacc ttgacgtgta ttgaagggtg 360  
 gtgtgccaaa tgcttccgac ggaggtgctg gccttggttg gtttctctct gccccgtgtg 420  
 gtcacaaagt c 431

<210> 539  
 <211> 188  
 <212> DNA  
 <213> Homo sapiens

<400> 539  
 gcaataaata aaacttttat tcaaacaagt aactgcagta cagggcacaa ttcagatttt 60  
 ttaaaaaaaa ggaaaggaaa caggaaaaaa atatgttcag cactttacat cttcatacaa 120  
 gtgttgctgt tttgtgtcta cattcatcca ttgagcatgg aatccccctgg atttgaaatc 180  
 tttagcgg 188

<210> 540  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<400> 540  
 taacagtagg aaaaaccaca ctattaaagt ataaaatttt gtcaaggctc tattttctaa 60  
 gcctatataa aggccaggta gtaaattatt tgagctttgc ggcccatgtg atctctacta 120  
 cgagtactca accctgctcc agtaatatga aagtagtcac agacaactgg aaatgaatgg 180  
 atatggctgt atttcaataa aatattactt acaaaaatag caggaccaac acttgctgac 240  
 ccctcacttt cataggtttt ataaccctat taacttttaa aaggtagttc tacaacctct 300  
 caaatgagaa tgaaaatgaa gacaaagcta ctttagtggt ttaaag 346

<210> 541  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<400> 541  
 ccgtgtcact tctcacttct aaatagctct agacttggtc ccattgcact aacttaattc 60  
 actctccatc atctttggct tggagtacaa ctccgtcctt ccacttaate tgctgtctc 120  
 caatcgttct cccctttgat gtgcagggca gccactgatc tctctaactt ttacagaaga 180  
 atgcaccact tgggttggtt aaaacccttc aatggcttcc cattgcccc aattcaaact 240  
 ctgcaatgtg gcctacacat ctctctagct tcacctctg ctcaatatcc tacagcacag 300  
 tgaagttctt ggtggtcctc aaaagggcc tcaaacttca aacattccct tcaacctaaa 360  
 atcctcaatg gacattactg agtc 384

<210> 542

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<211> 183
<212> DNA
<213> Homo sapiens

<400> 542
ttttattaaa gcaatgactt attagagact actggtatat gaagctgcaa tacacatggg    60
gatcaattcc tccaatttca tgtttcctta ctatgtatgt atctcttttt gttttttcat    120
tctggttaacc agagtacata tgacaggctg cattattttca aatacctaac actgaaagtt    180
act                                                                    183

<210> 543
<211> 329
<212> DNA
<213> Homo sapiens

<400> 543
ttttttttttg caacaggatc cggttttattc tgccttgggg gtgggtcctg agagtgggtg    60
gtgccacctg ttccggggcg gaaagagggc ccgaggaggt taaggcaatg ggggagaagc    120
aggggggctga gcggcacatg cgggtgaacca ggccgaggcc ggaggagctg tggtaggcca    180
gggaggggtg aaggcaccgg actgggaccg gccagggcta cagggcgagg accaggcaca    240
cgggcacccc ggaggcgggc acaggggtcac gtgacacaga acatgaaaca caggcacagg    300
gtcataggcc agatgcacat ccagccatg                                     329

<210> 544
<211> 442
<212> DNA
<213> Homo sapiens

<400> 544
ttttttttttt tttttttttt tttttttttt taaattgaaa ggaaactttt attgagtcac    60
gttttcaaag caatctagtt tttaaaaaag ttgaagacaa gacagaaaaa agaacatgac    120
acctaagaga atcagacagg acagacagac gggagcaggg gggcggggac agcggctccg    180
tgagggtcag atcttctcca tcttgagat gaggtcgtcg cagatcctgg tcagctcctc    240
gttctcttta gtcttctgct ccactgtctt ctccagcgac tggatgcgca tctgctcctt    300
cctcaggctg gcctggaggg caacgcttcc gcctgggect tgctccggac ctgggcgatc    360
tcctcgtttg ccagctgcag cttctcctcc gcgtgggect tcagggcttg gtacctctgg    420
ccctcctggg tgatccttgc ca                                     442

<210> 545
<211> 526
<212> DNA
<213> Homo sapiens

<400> 545
tttaagtga aaactttcac cttttcattt aaaaggaagc actttgtggc ttctcttttg    60
catatccgaa tcaccagcat cactactcct gctctctggg gccactgtta agcaaagtga    120
ggactgcttg ggcacaggca ctgtgatgct gggatagttg atctgatcac caagacggct    180
actaagtcac tagcagggtg ggtggcgat acagcgtgga tgtgctggac caagggatga    240
ctcacatccc cggccggctg gagccgacag cgagagattt catcacgcta ctcagaaggg    300
cacaccattt gagacttaaa attctttatt tctggaattt tccatttaat atttttgaac    360
tgcagttgac tgcaggtaac aaactgtgga aagcgaagcc atagatacga gcgggctact    420
gcgttcaaaa ggctcttcaa ctgttggtga tctctgatg ttctcggaga tggtttaggt    480
ggttacatgc cttcccgcac tccttacatt cgtaggattt cggccc                                     526

<210> 546
<211> 375
<212> DNA
<213> Homo sapiens

<400> 546
ttttttttttt tttttttttt tttttttttt ttttttccac agagtgaagt ttattcccaa    60
caaagtcccc ctccccctc cccagcccgg gacagggacg gacaggctgg gctgaagatg    120
gggttccagt ggctgagggg cctctgagaa acaaggaagg gccctgggac cccaggccaa    180
gccatgtccg gctccccag cctggctgag tccacggcgc ctccctgccc agccctcggg    240

```

aaaggggaga	gggcgctggc	tcctgggtag	ttccaaagtg	gagtgtgaaa	atagagagat	300
atatatat	atatgcagt	ggcagtcag	cgtggcactc	acacctctgt	ctggaagtca	360
ccatccggtg	gttct					375

<210> 547  
 <211> 355  
 <212> DNA  
 <213> Homo sapiens

<400> 547	agaacaaaat	ggttttaatc	aattgcgtca	ccctcactct	cctgggagcg	gcaacgaaaa	60
	aggctcggct	cctgccccca	gaggacagta	aggcttatgt	gtctctccac	actgcagggc	120
	ccaggctggc	gaggcagggg	gtgggaagca	ggacaggggg	cagggagggg	gggtgggagg	180
	cagggaggaa	atggcaggtg	gctggaacac	aagaaagcaa	aggggaccca	gctggtcctt	240
	gggccccagg	gcacgcccct	aatactcctg	ctctcccttc	accctggcta	gagaaaggtc	300
	acggagaaga	gacagggggag	caggtcccag	cagcaggaga	agcagcagca	gctgt	355

<210> 548  
 <211> 225  
 <212> DNA  
 <213> Homo sapiens

<400> 548	ttaagaacaa	agcggagggg	tttattatag	ggacattctg	aaaccacaac	ggaaaagatg	60
	tccgtacagg	tggatgggga	tggagatcca	gcgtcggagt	acacagactt	cagggggcct	120
	cctgcctggc	acgttcgttc	gtctcccgta	tcgccgtaag	accctgagac	cccgagcctc	180
	tgcaggagag	acgcacaaag	aagcctcctc	cctgtggcct	ggctc		225

<210> 549  
 <211> 266  
 <212> DNA  
 <213> Homo sapiens

<400> 549	gaatgtcatt	ttattccaat	gataagatac	agattacaaa	acttctagta	taattacaca	60
	taattacctt	ttgttgtttt	cctacaagaa	atgcacaggt	attttgaggt	cttttgatt	120
	gcattatttg	taaaacattg	catagtatta	gtttgtggct	ctgttacaat	gggtaatgac	180
	aggaatgcat	acagatgtct	ctgctatgat	aaaatgtgct	cttgttgggt	tacattaacc	240
	ttccttcaaa	agggatttct	cagttg				266

<210> 550  
 <211> 332  
 <212> DNA  
 <213> Homo sapiens

<400> 550	ttttaatcag	aaatatctgc	gcacattgac	aaatgtccac	cggatgggaa	gaagaatgtg	60
	gggtgtaaaa	ttcccatttt	tgagaccac	ttgcttagaa	tgtattaaag	acctataatt	120
	gaaaatacct	tggcaaaatc	tcccaaaatt	gtctctcaaa	ataacagtat	atacagtgtg	180
	acatacacaa	catcctgtta	tactaatgaa	aaaatctaag	aaaaactcta	taggatgata	240
	tttagatatt	acagtcacta	tattaactat	taggataatg	tgccactaat	tcccaatcgt	300
	cactgctttc	atgtagtgtc	tgctccatat	tg			332

<210> 551  
 <211> 433  
 <212> DNA  
 <213> Homo sapiens

<400> 551	ttttaatatc	tgctactgac	tttggctttc	tgaagtttgc	tatctggctt	accagtagaa	60
	acccttagtc	aattttggaa	ttgtacaatt	tcaattgtac	aattcttcgt	tacactctca	120
	aatccacaag	tcattttgtgc	tgaagtagaa	ttggaaaaat	gagaagcata	tttctgcac	180
	tgagttctgc	tctacctgca	actccctaca	tgacctaatg	aaccaatttt	ctcatctatg	240
	aaacaagaca	aacctgctgc	aagggttttc	tgttaccctt	atgggagtg	tggttaatgc	300
	tgacgccta	tctgacactc	tcactactga	aggtgtgtca	tctgcacct	tctccagcct	360

tctctagctt ggccattca gatgtcaatc tggtagaaga tctggctctt ctagttttct 420  
taagaattga tgc 433

<210> 552  
<211> 258  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 552  
gatcctgggc tcataggcag tccctttcac ttccttgtct tgctccctgc tatgctggag 60  
atgaatgtga ctaaaagggc catcttgctg gcttaatgtg tggctggaga gaccagcctg 120  
gagacaatgt ggcaaaatgg ggcgcttcat ccagtctgtc taagccctgt cgacttgggg 180  
aggtgatttc tttcctgggt ctatatgtna agcaaaataa atgtttttaa attaaaagca 240  
nnaaagcaga atgtgagt 258

<210> 553  
<211> 322  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 553  
aattnnaaan acatggctgc atttattgtt cccagcccg cgagaagggt tcccagaaa 60  
ggttccttgg gtcacctgcc caccagcct tggctctgggc tgccatgtcc ccacgggcag 120  
gagagaggca caagtcacag tcaggcaagg gagcctcagc ttcctgggag gtggctnttg 180  
gggtccctcc agtnttcacc tgggacctc ggccagggtg ggacanattc cagggaggcg 240  
agggttgcag gtccagcggt ggggtgcagg ggcaacagggt tcggcggggt ttgcagggtc 300  
caaaaggagn tttcggggtg gg 322

<210> 554  
<211> 503  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 554  
tttttttttt ttggtatcag tctctttatt ggatgtgagg gccaaaaggg actgtaactc 60  
ctgtctcagg aatggggata gatgggaggt tcttgaagcc ccaggcatan tggnnacctc 120  
tggctacagc ttgtctctg agacctggg cttcactcgg atcacgccct cctggnanac 180  
ggtcacagct aggactccat cctgacgcca cagccgccc tggaccagcc cccgagagcc 240  
accggcccag gggctctcgc attcatagag catccagtgg tcagctcgga agggggcgtg 300  
gaaccacatg gaaatgggtc agtgagacca tgaagtgcac cttgtctgnc cactggtgag 360  
gcagcagtgc agtgcccaag aaggcatagt tcggagatat aggcggccac gagnacagttg 420  
catttttcat gttcgncttc gnttgcaaca ggtcccttc agcctgggtt cctgggggtt 480  
ncagttcagg accatttttag ccn 503

<210> 555  
<211> 419  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 555  
ngagccagaa aaggattttt ttttaattcaa gtaactgaaa taggaaacca gagggggagc 60  
cccaggctgg gataaatcat ggctaccct cccaacaga acagggggag gaggtggccc 120

```
ctacacccat tatggtegat tggggccccc ttgctcactc tgctgcagca tcctagaggg 180
agggcccccac cttccctggg actggggttag tgggtcaccc agcctgcatt gccccagccc 240
ctnttcccca caaagagtat cttggggggag ggnttcgtgg ggcagaacag gagggcaatg 300
agggatgaac attgctcaaa ctccctttcaa aggggcacct gaccgcacag gggaggntgg 360
gcaggaaggg caagggnntgg gggatgccgt ntaaggaggg cggangcagg canttttgg 419
```

```
<210> 556
<211> 420
<212> DNA
<213> Homo sapiens
```

```
<400> 556
acaaaataac acaattttatt actattttga aacaaatcac aaaataacat tcagaaactc 60
aacattttcta aataacttaa ttcacaataa gtttagtcat aaagtcatgc taaaaaactc 120
ctgtgtataa aagattatta ccaagggtatt catagatggt aaaatgttct tcagaatgga 180
gttggtttcta gaagccaaag attctggaat gatgcttgta atcatgactg ccagcctggg 240
agaggagctg gctatgcgca tgtgctctta gcttccaact caccagtctt ttgatgggag 300
tgatccctcc aggcagtagc acctcagagg caggtacctt actgattcac agaggcaaag 360
agcctcccac ccatataatg ttagacaact ctacattcat ttaaaatcta gaggtgggaa 420
```

```
<210> 557
<211> 560
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc.feature
<223> n=a,t,g or c
```

```
<400> 557
agttttcaatt tttattatga atgtccaaag tgacagcata ctgtgaaaat gctaagttct 60
cattgattaa atttcaagag accacagact acagcattcc aagcacttta atttttgaca 120
gagccaaaaa caaataaaaag aatgataaaa atattctttt ggggtgtaaag agtattcata 180
tttgagtttt tgtatttttt tcttccctgc aggtattgtg aacactgata atttccaaaa 240
cataaattct ggtctggata cttgcagcaa atttttataa tctctacctg gataagaagc 300
taataagaaa tgtacttata aagtatgttt accgatacag tgtgatatgt ttgtttatct 360
tcatttcccc tatctatccc atgaggettcc ttgtctacca cccgggtacc tggctggttg 420
ggtaataaca ggacagggag gctgaagtga aacactccga agactgggtac agaatccngg 480
gattttccgg aaagcnggca tttacnccct ttttttttaa tggaaagcct taagaccttc 540
agtggnttgg ggaacggtcc 560
```

```
<210> 558
<211> 435
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc.feature
<223> n=a,t,g or c
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```
<400> 558
ttttacatga gatattcaac attttattat aaaacaggct ttctgttaga tgattttgct 60
caacttttagg tgttctgagc atgtttaagg taggctaggc taagccatga tgttttagtag 120
gttaggggta ttaagtgcatt tttcaaatta ccatattttc aacttacaat agtttcaacg 180
ggaggttaacc ccatcgtaag tggaggaaca tctagtgcct ggacacagag ccggttctca 240
ataaatataa ctcttctcca tcttcttcaa acctcaggcc aggtttcagt gacctcctct 300
cactttctaa gattattttt gcttgctggg ggggttactg tcatttttaa ccacatctaa 360
cctaccttaa aaaagtgtat ggatgggggt gccagggtaca aagacttagc ataangaaaa 420
cgaccattta ctttg 435
```

```
<210> 559
<211> 374
```

```

<212> DNA
<213> Homo sapiens
<400> 559
catgctggag tgcagtgggtg tgatctcggc tcaactgcaac ctctaactcc tgggctcaag      60
tgatctttcc aaccacagcc tctcaaagta gttggaacca tagacatgca acaccatgat      120
tggctaattt ttttgtagac acggtagttt ttgtagacac agggtttcac catggtgccc      180
aggctgggtct caaactcctg ggacttaagc agatccattc gccttggact cccaaagtgc      240
cgggactaca ggtgtgagct accacgcca gacgcatttt cttaaattctt gtgtatctat      300
aataattcaa cttaattaaa actgttttgc actatggata cacaaaaggg agggcccaac      360
aggtggattt ccct                                     374

```

```

<210> 560
<211> 337
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 560
tacanaaata tcctggcagg atctgaaact gtttctccaa atgtctaaaa tatatctgtc      60
acacaaaatg acccccaaag agaatcctgg gaagaaaaca atttctcctc ctccatcatc      120
caattaagta tttattaaac agtcactata cttaaaatac ctttccaggg taccacctac      180
taaggttaac agactactgt tcaaacaccg caaaggaaag gcatggaact aggataggaa      240
acaaggaaaa accttcaatt tttttttgtt ggcttttttg tttgttttta catgagggaa      300
aagggaaacc aaactgaggg gggnaaaaaa ataaggg                                     337

```

```

<210> 561
<211> 417
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 561
ccatctcagt ctccccctgcc tgctcattcc tggggctcca ggccaatgct cagcagcaga      60
gagtttataa ataaataaat tacaaaagcg ggcaggaggt ggcttgcca gccctcccgg      120
gmntantggc tcagtgtcca gtgagtgaca gctgcaggat ccgctgtaag tcctcctcct      180
cctgctgccc gcgccgntcc cgctcctcct gctcccgtga aggacaactc caggggccag      240
ggcgagtggt cttctttcaa agctgggggt ggaccgggtg gctggggggg gtcttngggg      300
agggggatcc tnggggcccc tggggatcct tgtggggaca agcttncagg ctttttctgg      360
ggnaagggcc cnttttcag cttnaaagct ntttctccta ataaaccgtg ggccttt      417

```

```

<210> 562
<211> 295
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 562
tttttttttt tttttttttt ttttctgaga tggttctcgc tacgttgccct aggctgtagc      60
gcagaagcta tacacaggca tganggcagc acactacagt ctccaattcc tgggctcaag      120
tggtccttct gcttcacctc ctgagtagct gggactacag ggacgtgcca cccacctgg      180
catgatacct atttcacaga ntctgttact atagaaaaac agctctccta ctacttttt      240
tcttgtaaaa ttgtataaca ttattaggca aaactgggag antacaantt ttaaa      295

```

```

<210> 563
<211> 299
<212> DNA
<213> Homo sapiens

```





```

<400> 567
agtcccagct cagagccgca acctgcacag ccatgcccgg gcaagaactc aggacgctga      60
atggctctca gatgctcctg gtgttgctgg tgctctcgtg gctgccgcat gggggcgccc      120
tgtctctggc cgaggcgagc cgcgcaagtt tcccgggacc ctgagagttg cacaccgaag      180
actccagatt ccgagagttg cggaaacgct acgaggacct gctaaccagg ctgcggggcca      240
accagagctg ggaagattcg aacaccgacc tcgtcccggc ccctgcagtc cggatactca      300
cgccagaagt gcggtcggga tccggcggcc acctgcacct gcgtatctct cgggccgccc      360
ttcccagagg gctccccgag gcctcccgcc ttcaccgggc tctgttcggg ctgtccccga      420
cggcgtcaag gtctgtgggac gtgacacgac ctctgcggcg tcagctcagc cttgcaagac      480
cccaggcgcc cgcgctgcac ctgcgactgt cgcgcggccc gtgcgagtcg gaccaactgc      540
tggcagaatc ttcgtccgca cggccccagc tggagttgca cttgcggccg caagccgcca      600
ggggggcgcc cagagcgctg gcgcgcaacg gggaccactg tccgctcggg cccgggctgt      660
gctgccgtct gcacacggtc cgcgcgtcgc tggaaacctt gggctggggc gattgggtgc      720
tgtgccacag ggaggtgcaa gtgacctgtg gcatcggcgc gtgcccagac cagttccggg      780
cggcaaacat gcacgcgcag atcaagacga gcctgcaccg cctgaagccc gacacggtgc      840
cagcgccctg ctgctgtccc gccagctaca atcccatggt gctcattcaa aagaccgaca      900
ccgggggtgt gctccagacc tatgatgact tgtagccaa agactgccac tgcataatgag      960
cagtcctggt ccttccactg tgcacctgcg cgggggaggc gacctcagtt gtccctgcct      1020
gtggaatggg ctcaaggttc ctgagacacc cgattcctgc ccaaacagct gtatttatat      1080
aagtctgtta tttattatta atttattggg gtgaccttct tggggactcg ggggctggtc      1140
tgatggaact gtgtatttat ttaaaactct ggtgataaaa ataaagctgt ctgaactgtt      1200
c                                                    1201

```

```

<210> 568
<211> 3323
<212> DNA
<213> Homo sapiens

```

```

<400> 568
tagtgggtggg taagaaaatt ggaagtattc cctcctcatt tgggtgggttg gtggctggga      60
atatctgttc ccttggaat gtttgatgct actctgaaag atcgagaact gagctttcag      120
tcggctccaa ggtactacca tgtttctgca ttggctagtg ggaatgggat atgtcttcta      180
ctttgcctcc ttcattctac tactgagaga ggtacttcga cctgggtgtcc tgtgggtttct      240
aaggaatttg aatgatccag atttcaatcc agtacaggaa atgatccatt tgccaatata      300
taggcatctc cgaagattta ttttgtcagt gattgtcttt ggctccattg tctcctgat      360
gctttggctt cctatacgta taattaagag tgtgctgcct aattttcttc catacaatgt      420
catgctctac agtgatgctc cagtgaagtga actgtccctc gagctgcttc tgcttcaggt      480
tgtcttgcca gcattactcg aacaggggaca cacgaagcag tggctgaagg ggctgggtgc      540
agcgtggact gtgaccgccg gatacttgct ggatcttcat tcttatttat tgggagacca      600
ggaagaaaat gaaaacagtg caaatcaaca agttaacaat aatcagcatg ctcgaaataa      660
caacgctatt cctgtgggtg gagaaggcct tcatgcagcc caccaagcca tactccagca      720
gggagggcct gttgggttttc agctttaccg ccgaccttta aattttccac tcaggatatt      780
tctgttgatt gtcttcatgt gtataacatt actgattgcc agcctcatct gccttacttt      840
accagtattt gctggccggt ggttaatgtc gttttggacg gggactgcca aaatccatga      900
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gatgggtggc tggatgcctc agggacgcag agtgatcttc cagaagggtta aagagtggtc      1020
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agctataaca ttgatgggtc ctcagtggtg gttgaaaact gtaattgaac aggtttacgc      1260
aatggcatc cggaacattg accttacta tattgttcgt aaactggcag ctcccgtgat      1320
ctctgtgctg ttgctttccc tgtgtgtacc ttatgtcata gcttctgggt ttgttctctt      1380

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actaggtgtt	actgcggaaa	tgcaaaactt	agtccatcgg	cggattttatc	cattttttact	1440
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tgaacatatt	aaaaatgaca	agtaccttgt	gggtcaacga	ctcgtgaact	acgaacggaa	1560
atctggcaaa	caaggctcat	ctccaccacc	tccacagtca	tcccaagaat	aaagtagttg	1620
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aacagaatgt	gcattgtaca	tctttaaaca	aaatgtatat	taattttatta	aatctagttg	1920
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caggcaagac	ttttcagtga	cgccttggtg	aacgcagttc	atgatgtcct	agcagctctc	2040
actaagggaa	ctgtacattc	tttctttctt	ggctattcag	accttaccaa	gaacgttaaa	2100
ggaaacaagt	agaaatcagc	agtggagtg	ctgtggtaag	aaaacatgaa	ctttatgctt	2160
cactgttagt	tgtttggtga	agttattttg	tataacacca	aagctgttgt	acatttccta	2220
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gggtttcagt	ggggcatgtc	tatacttaga	gaaaaaaagt	cccaatgaag	attttcatga	2400
gtcagccccc	ccgcccgcgc	ccacccaca	cccacatcct	ctcttttcca	cacacaacta	2460
tctgtttatt	ttttgtagca	gtggccgaaa	gtcctgcaag	gtcataaatc	tttcagagtg	2520
acatcaccaa	ctgtactgca	tcttactgga	tttaggactt	ctgagatgct	tgtgaagtat	2580
agatgtggtt	gtggtcttag	attgacagca	ttagagaaga	ctgggttagaa	catctggtct	2640
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gaaatcccaa	agtttccaaa	gctttttgtt	tacagaataa	aacttcaa	aaaaccaatt	2760
cattatttgt	ccagaaggaa	gcttggctga	gctggccttt	taacatagga	atgtatttcg	2820
ttggaaacat	tctgaaaaat	ctcagagaac	tgaaccctta	caaactttgt	tttccctcat	2880
aaccaaagct	tcagggttaga	agtttagaaa	aatagaatgg	ttgggtacat	gatctaaatg	2940
tttaatgcta	aaggtatatc	gtaagggtag	tgtttgtttt	tgaacgataa	tttagaagtt	3000
ctcatagaaa	gcgtataaca	taggtcttca	gaaactataa	aagaattttc	atatagtatt	3060
aaaatccata	gactaaaatc	tgagaatttt	ttaacatatg	caagtcagcc	aaacataagc	3120
taccaaata	aagagcaatg	tgttctggct	gttttatact	tcaacaattt	tttccctaag	3180
tggtaaagcaa	ttacttttaa	acatatTTTT	aaaaacatcg	gtatcgggag	ctgcggtggc	3240
tccggccggt	tgctctggca	cacaaggagg	cgaggctatg	cgttcgaggc	caacctaggc	3300
aaaattggaa	aaaaaaaaaa	aaa				3323

<210> 569  
 <211> 4792  
 <212> DNA  
 <213> Homo sapiens

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 <213> Homo sapiens

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 <212> DNA  
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 <212> DNA  
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 <213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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 <212> DNA  
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<213> Homo sapiens

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<212> DNA  
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<213> Homo sapiens

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<213> Homo sapiens

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<211> 308  
<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

<400> 604  
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<210> 605  
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<212> DNA  
<213> Homo sapiens

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tcgggaaagg aacgagcaaa catcctcta agaaagaaac ctacacttga atgatttaaa 180  
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gcagcaccga gttaaagtgg gggccatcca tttcgggcag aggagacaaa tgaaagccga 360  
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aacagccggt ttctcaaaca attgtgattt 450

<210> 606  
<211> 269  
<212> DNA  
<213> Homo sapiens

<400> 606  
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tgagacgttc atttaatgaa ttgtgcacga atgaattcta tataataaaa atatacatat 180  
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ttgttgccctt tgtatgtggt tcaaccatc 269

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<212> DNA  
<213> Homo sapiens

<220>  
<221> misc.feature  
<223> n=a,t,g or c

<400> 607  
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gtgtcctggg gcctgtgcgg agggagccac ctcaccctgc agcccagttt gcaggtgtgg 180  
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<210> 608  
<211> 142  
<212> DNA  
<213> Homo sapiens

<400> 608  
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cagcaagggc tgattctagg ataagcacta gatctccctt aataaactca caactctctg 120  
aaaaaaaaaa aaaaaaaaaa cc 142

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<211> 348  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

<400> 609  
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acatttgga aagtgatcaac cactgttccct tctatggggc tcttgctcta gtgtctatgg 300  
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<210> 610  
<211> 567  
<212> DNA  
<213> Homo sapiens

<400> 610  
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aagccaattc ctggggcacc ctaccctctc gttatttggg gtttccgttg gtttacctga 360  
gttttctctg ggttctgcac agaggcagca gcatggacat catggcctct caggtccctt 420  
ttggttctca gtttcattgg ttcctcttcc tggtccccca ttgacttctg tgccccaccc 480  
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<210> 611  
<211> 532  
<212> DNA  
<213> Homo sapiens

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ggctctgcca gcatccagct gtctacaccc agatctgcaa atacatgtcc tggatcaata      180
aagtcatacg ctccaactga tccagatgct acgctccagc tgatccagat gttatgctcc      240
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tctccccttg tctgcactgt tcaaacctct gccgccctcc acacctctaa acatctcccc      360
tctcacctca ttccccacc tatccccatt ctctgcctgt actgaagctg aaatgcagga      420
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<210> 612
<211> 1522
<212> DNA
<213> Homo sapiens

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cagctgagcc gcgcggccga gttctacgcc aaggtcgccc tgtactgcgc gctgtgcttc      180
acgggtgtccg ccgtggcctc gctcgtctgc ctgctgcgcc acggcggccg gacggtaggag      240
aacatgagca tcatcggtcg gttcgtgcga agcttcaagt acttttacgg gctccgcttc      300
gaggtgcggg acccgcgcag gctgcaggag gcccgctcct gtgtcatcgt ctccaaccac      360
cagagcatcc tggacatgat gggcctcatg gaggtccttc cggagcgtcg cgtgcagatc      420
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cttgggaagtg gaaaaaaaa aa              1522

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<210> 613
<211> 550
<212> DNA
<213> Homo sapiens

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<400> 613
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tcatgtatgt gggagccaag accaaggaga atgttgtaca gagcgtgacc tcagtggccg      180
agaagaccaa ggagcaggcc aacgccgtga gcaaggctgt ggtgagcagc gtcaacactg      240
tggccaccaa gaccgtggag gaggcggaga acatcgcggt cacctccggg gtggtgcgca      300

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<210> 616  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 616  
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 gactgaatac aagccacact ccatcatatc ccttaaaact catgaaaaac cattcaagat 180  
 ccccttgctg caacactgtt ctcttcttct ctactaaatt ctatttccaa aattggtaat 240  
 agagccagaa ggatcccccgtgtacccagcc ctctgcctgg nacaaactgg gtagcacaat 300  
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 ggcataggtc acaccatnca ttt 383

<210> 617  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 617  
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 tgagggactt tatgatatta agagattaat taaacaacag tggatgggga ggaagaacag 180  
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 gcttggaaact cagagtntat ttatccatac gaaaaattca gaactatttn atttatgata 300  
 tgggctaaaa agacttctgt aatctagctt gggaaactta ataatcatta aacttatttt 360  
 caatgaaaaa aaaaa 375

<210> 618  
 <211> 222  
 <212> DNA  
 <213> Homo sapiens

<400> 618  
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 tgaccctatc attatttcac caagccaata ccagccgcca tccttctcca gaattcttgt 180  
 aaataaaata aatccctctt tgtttaaaaa aaaaaaaaaa aa 222

<210> 619  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 619  
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 caggagtcc aggaccacat gtcggagcct cagcaccagc agcggctagg ggagatccag 180  
 cacatgagcc aagcctgcct cctgtccctg ctgcccgtgc cccgggacgt cctgggagac 240  
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 gggacctgat ccaacaccgc aggacacagg gaccacaaga tttgccaaac aatcctttgc 360  
 ggaccttntt gcaccttttg caaccgttat tttnaaaacc cttcggcaat ttgtnggagc 420  
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<210> 620  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

<400> 620  
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<210> 621  
 <211> 380  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 621  
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 aaaaaaaaaa aaaaaaaaaa 380

<210> 622  
 <211> 511  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 622  
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 aattctaggt ggtaggggtt tgtacggaac ccctggctgt ctgcatatat ctgagaatta 180  
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<210> 623  
 <211> 1700  
 <212> DNA  
 <213> Homo sapiens

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<210> 624  
 <211> 2255  
 <212> DNA  
 <213> Homo sapiens

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<210> 625  
 <211> 1259  
 <212> DNA  
 <213> Homo sapiens

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cgtcaccgc ccgggatcag gaggcgggg gcgcccgcg gtccggcctg ggcggccgcc 180
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<221> misc feature  
<223> n=a,t,g or c

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 gggcacgtta ctgaccgcac aaaccatcac atctgagtcg gtgtcaacaa cgacaaccac 180  
 acacatcacc aagactgtaa aagggtggaat ttctgaaaca agaattgaga aacgcattgt 240  
 gatcacagga gatggagata ttgatcatga ccaggcactg gctcaggcga tcagggaagc 300  
 cagagagcag caccctgaca tgtcggtcac aagagtgggtg gtacacaaaag aaacagagtt 360  
 ggctgaggaa ggggaagatt aagttagaaa gtcatttttt tanacaacac tcanctttgg 420  
 gaacccctga gggattttnt gggccccnc cgganttcag nttgggcttn accagttgac 480  
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 nttcncnnnn nntttnnnnn ncg 563

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 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

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 aagggtgggtt tccttcagag aagagttctt gagcaagctc tcccaggagg gccacctga 180  
 ctgctaatac acagccctcc ccaaggcccg tgtgtgcatg tgtctgtctt ttgtgagggt 240  
 tagacagcct cagggcacca tttttaatcc cagaacacat ttcaaagagc acgtatctag 300  
 acctgctgga ctctgcaggg ggggtgagggg gaacaagcga gacctttggg gtaatgantt 360  
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 attttccaat cc 432

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 <212> DNA  
 <213> Homo sapiens

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 taataaagaa aatgctacat ggaatctctt attcttgaac catgttcaga cactattagc 180  
 tgtgaccact gcaataggaa atgaaaaaga gggacttttt tcaactgaaaa tccactgtt 240  
 caaagaaaca aagaaacggc cacataaact aaatattcac aatactggaa atgaaccaca 300  
 gactttttga gtaatactcc agtgaactca tgtccttaaa tgagaagggc agccacagac 360  
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 agccacctgt 430

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 <211> 450  
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 gagaggcagt ttcagggaag tgagggggaa aagtctgcgt ttctttattc tcaggtaaca 180  
 tcttgagcaa ccagattcct gngtatcagc agctggctgc aacgtccttc aaggcattca 240





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[illegible]

**THE HISTORY OF THE**





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 cagatatgac ctctcaatat cttggggaag taagtttaga tgatgtttca ttcacgtctt 180  
 aatgatataa ataaaggata actctgtgta agaagtagtg tttgtatctg gtggtaaatt 240  
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 <212> DNA  
 <213> Homo sapiens  
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 tgttccctct gcatttatct tgtgtagctg tgtttttgtc tegttagtagg cgatcacggg 180  
 gatggacgct cggtagtagg cttctaggcg cttggcgatg gtcttggtgg tgtcgtccac 240  
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 catacagatc accaa 315

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 <212> DNA  
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 gatcatttac aatgtagaca tcaactaaagt ctagatttaa aagtcacagtg aaaatggcac 180  
 acagttggct tacagaaata aaaaagtaca atatatattga aatagtaggg tttttgtttt 240  
 ccatttatgc ctacatcatg gtgttaccta tggatatgtt atcaacgata ttgatatcag 300  
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 catgttcatt gttaaggaaa ttatatgtaa atcacaaaga tcatggtctg tgaataatgt 180  
 gccatatctc acaaaatatg gtcattggaa tcttattaaa attatctaca ggtgacttca 240  
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 agcataagct ccttc 315

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 <212> DNA  
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 ttctggaaat ctgcatggtg gctcagtggt agcaagctat ccttttgatg attctccaga 180  
 acataaggcc actggaatct atagcaaaac ctcagatgat gaagtattta aatacttgct 240  
 aaaagcttat gcttcaaacc accccataat gaaaactggt gagcctcatt gtccaggaga 300  
 tgaagacgag actttcaaag atggaatcac aaacggcgca cattggtatg atgtggaagg 360  
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 tttgatcaca ttgat 495

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 <212> DNA  
 <213> Homo sapiens

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 attacatttt aaaggtatgt gccaaaccct aaagctcatt ttatttcaag tgaaaacatc 180  
 atcatgaaaa aagtcacgtc acattgacta acaagggttg taacaaatgt aatgatcaac 240  
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 aggtacggta tataaacaaa atagccatat ctgatttttg gcaacatgaa aatgccatt 360  
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 taaaattcag ctctgacac a 441

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 actttgataa ttttaaccat acataaaata tggagtaatg gaagctatgt tacatggata 180  
 ttttacaag gaaaaaaga tgacttttat aataacacat ccagatgaaa tttatcatta 240  
 aattttggat ttcatatgat gttaagtatg gatataattca aaacaattac tatttataga 300  
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 <211> 308  
 <212> DNA  
 <213> Homo sapiens

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 gaggtaacac tgtacttcty aggtatgtya ataamtmty mmggttataa tgggtgccat 180  
 attagagaaa atgaataagc attagtctca gcaaaaacaa aaattagttt ggmagtagat 240  
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 camwtycc 308

<210> 655  
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 <212> DNA  
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 ggrgctaata ccaattctag ccattgggrgt atgttttggm ctttytgaac aattttgrgt 180  
 aaaatgaatg yactgtctt taaattgtac ttggrgcaaa gacaaagaaa catcagctca 240  
 ttctttccaa ctaatagaac atttaattgat gcaattytha ttacattatt ccaaggctat 300  
 tatcataatg ttaaatattc ttatt 325

<210> 656  
 <211> 320  
 <212> DNA  
 <213> Homo sapiens

<400> 656  
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atcaaagtgt cagagtctat gattttagt ttcatgtgaa aatactaagt attctggatt 180  
ccccaagggt aaattatatt cagtataaty cbbggtaaaa tatattybgt atttbavgtt 240  
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<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

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cattcatgct agcgagagca tattacaaag caatgcacgt gcattatagg ggcagacaaa 180  
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<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

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<210> 659  
<211> 229  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

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ccacatcttt tttttaagag cacataaact cctgttttat ttttattgtg gcatgaatga 180  
taacataaaa ccaaaancat gaaaatatac aacttatatt acactatgt 229

<210> 660  
<211> 316  
<212> DNA  
<213> Homo sapiens

<400> 660  
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<212> DNA  
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<223> n=a,t,g or c

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taagacagga gggagagatg ccatccattc agcgggcact tatgccacg accagctgag 180  
ccagaccagc attcccatth caccaccctt tactcctcaa gatgcaaatn aagctcaggg 240  
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<210> 662  
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<212> DNA  
<213> Homo sapiens

<400> 662  
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atttacaata aacacatcat taattttcct gagaacagct cagtatactc tgttttacat 180  
gaatccttat gatttaattc tgtatttgga gatatgatgc tatggcattt ggataacatt 240  
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<210> 663  
<211> 325  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

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accataactc tcagaacagg agtatattac aaacaagtgg agtagaacat agagaatata 180  
taatttggtc taatattcct ctctccttaga gccttcaaac ttaaaccaag ttgaaaaaaa 240  
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accattttga ttccacaaac caagc 325

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<211> 215  
<212> DNA  
<213> Homo sapiens

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acaacagtgc aatgcttccc aaagtcttaa gcactagtat cagattctta caacacagaa 120  
accttttagt ttgccaaatg attggattaa ggatacagaa tatgtcaaact actcattgt 180  
ggctttccag gtcaccctct cccgccaaac aaaca 215

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<212> DNA  
<213> Homo sapiens

<220>  
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tgctaactg aatcagactg gaaagcaagt cagtacttca gagtagcccc gcagaaaaag 180  
agcgatacta agccttctta gtgtttcgtt tgtagtagt gatgaagaga aaactgcttg 240

gaagcttcca	tgggtcacta	gttagggaca	gagcagcaca	ggtgatcaga	cagggctgag	300
caaacacctg	actgaccaac	agaaccagtc	tcctcaggca	gcttacattg	cagtcaatac	360
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ggag						424

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 <212> DNA  
 <213> Homo sapiens

<400> 666						
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aaaagcaagc	ttgagctgcc	taagtcccg	tcacacacac	tggacttgta	ctaaatgctc	180
aacgattcca	ttctctcaga	ctatggaaca	ttctgtcaca	tttttttcct	tcaggagatt	240
tcctaagaa	gagctgtttg	caaaatattg	cacttaattt	gaatccgggg	gacctgatgt	300
ctcctggaag	aaaacgtaca	cttcacatgc	cttcctgcct	gcggcagaat	gggcgggag	360
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

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aagaccctat	gtccgaagaa	aaaaaaggca	aaatcagaat	taccagaact	gatttcacat	180
gtgtaggtag	cagatgggtg	ccatgcaatt	caggctctgtc	tgaaggcccc	caggctgggt	240
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gagatgccaa	gttcatggcc	tcctaacctg	actccaccca	ggcactccct	ggggcccagc	360
gacgttcct	cctgaagcct	tgaaatttca	cctccacctn	aggagggcca	tctggctggg	420
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

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<210> 677  
<211> 223  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

<400> 677  
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gcagcaccag ggactccatg gtccaccaac ctccccact ccagagcagc taggggctgg 180  
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<210> 678  
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<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 678  
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agaatcaaaa atgagatatt aggtagactt ataaaacaaa gtatagttat tttttgattt 180  
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<211> 489  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

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ttttcttgct tgctcaggac tattaatttg acaaggttg aatgtgcaca gcaaagctgg 180  
agacaccacc cattttaaca ctgaatcact ataccatgaa ctgacaggac cctgcatgaa 240  
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ggaaaatgga cctataatgg atggctaanc cggcatttta attttccgga agtggggggg 360  
gaaaccaggg gccatggggg gngtggaata aatgggggtg gaagtccca gggcccntaa 420  
cctggtacca ancccttaag ggtaaantta aggttttaac ctccatccaa ttaaaaaagg 480  
tgggggtta 489

<210> 680  
<211> 479  
<212> DNA  
<213> Homo sapiens

<400> 680  
aaggaggaaa tcttgtcatt tatgaaaaca tgggtgaacc cgggtgcacat tatgctgagt 60  
gaaataagcc aggcacagaa agacaaacac tgcattgatc cacttacatg tggaacctat 120  
aaaagctgcc cttatacaag taaagagtca aatgctgggt accatgggct gggaggagag 180  
ggactgggca gatgtgtcaa agaatacaaa atttcagtta ggaggcataa gttcagggat 240



<400> 684  
ccgagtgaata acagtctgtt tattacagcg tctagagggt gggatgcaga atgaggcggg 60  
gccagagga aggggcgcct cagcccaggg ncgnaccgtg acaatgcgcg caatccaaat 120  
acagtccacc cggaagacac ggcagagctc ccacgttaca aaggctgaca cagaccagca 180  
gcgtgttggtg ttggggagggg ggtctgacca cgatggcgag ggcagtcggc ggggggtggg 240  
gggcctgctg accactgaac agactgaccg catcctgggg gcaagataaa ttaaggggga 300  
agtcttaaat aagtcactgt gcgtgcctca tgggcccag gaggggggtat cctaagtttt 360  
tagggttcct atcaattcct ga 382

<210> 685  
<211> 400  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 685  
gagtgtaaat tcaatttttag cagattaggt tttattttta ctgcatcggg aaaaccacat 60  
agataaaact atcttattgt ttatccttta caatttttta aagcaaaaca aacacaacag 120  
cattttattt atttaattgt agtgcacccg tattttcaca tattggattt taaaaaatct 180  
ctgcttacia gaagaaacga aagcccaaac aagaatgtag tatgtaagcg agtacaaaat 240  
gagatagagt agaaggcaaa ctgattacct aagtcaccaag aagtcaggaa acaaagtgt 300  
actcagatcc aagcagggtt aaccaggaaa ggctggcatt tcggtgngta ccnggctngc 360  
tttcttcagc aactgcgctg ntacaacatt cctgggggga 400

<210> 686  
<211> 230  
<212> DNA  
<213> Homo sapiens

<400> 686  
cagtaaaaac tctttattca ttccttcatt tgacagttgg ccttgagtag ttacaaagac 60  
agagcagttc ctgcctctca gaattctaag cagacattcc agagctcaca gatcagtgctc 120  
ccaccagctg ctaccctgga agcttcaggg agatggggag cctggagtag ggggggtgctg 180  
caggaacccc cggcaggcag tggggccagg cttcacaggc acccagggct 230

<210> 687  
<211> 434  
<212> DNA  
<213> Homo sapiens

<400> 687  
tttttttttt ttttgccatt agaaatgctt ttattttataa aagaactact taaatataaa 60  
catctctaca tagaaacact cttcacaaaa ggactcttgc attactgcct tctgaccacg 120  
accagcagac actgtggatg taaggactcc acgggtgtctc ccgactccca ggatttttaag 180  
gctaaatgtg cacttgaggg aacaggggct gtaaggctat ttcttccctt tcttttaaaa 240  
gacaaatttc atggtttccc attccaagat aggcctcata gctggggaag atcttaagat 300  
tcttggtcta aggggtaagc aaatatcttc ctgagactgg gaggtatgat caggcacttg 360  
ggaatctggc tttgaatgtc atctctgaag catggaagtt agtggtgaaa aaaatcttat 420  
ttccaagtct agga 434

<210> 688  
<211> 453  
<212> DNA  
<213> Homo sapiens

<400> 688  
gggtaacata agacatttat tactttatac taattttttc attcataaaa aggacaaagc 60  
acagtcctat actactccat tgaaaaaatg ataaaaaata actaaaaaat caattcaata 120  
tttatcagta tcaaaaaaaa ctactatcac ctttcttgaa atacaaagaa acaacagatg 180  
tatctatacc tatataaagt ttaattcaga atcttgcgctc ttaaagcaga tgattattag 240

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ttagcttgac aacagtttaa aactgatggt cccagttaaa tctgtacaac tgtatgagaa 300
aatgaaaagc ttcgagttat cagtgtacga gagattttta actactttat ctctgtcaga 360
aattcaaaac taaacaacct ccaaagtctg ttttcctctt acctttcaga accatttcat 420
ggaaaatcta accagttttg ctcgttatta tca 453

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<210> 689
<211> 519
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 689
gaaacaacaa cagtgtaatc tttaacaggg atgttaaagg taagaagtca ggaagataaa 60
ccaaaatgat tgagtatgat aaagaatttt gcatggcgat taaaatagaa aacctataaa 120
ttagaataaaa gcaggtctgg acttagcaaa gaaacaatat agtttggaga aggcataaaa 180
taagttcttt tcatgttcac tgctgggtcac ancataacag agagtgatgt ggagagcttt 240
gggaagggtt caggttgagt tacatcagtg gtcaacaatg gagcaacaag actccgtaga 300
ggatgccacc ctggggagaat tgcaagggaa aggaggctga agcacaactg gtaatagcct 360
tcagatattt aatggatatg caaataaagc tctgattaat tgtattttca cttattatat 420
atcatctttg gacctttcta aaagtgggac nctagaaaag atatactgaa actccaaaag 480
aatacttcag ctcgagttga atggattcaa gatgttggt 519

```

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<210> 690
<211> 462
<212> DNA
<213> Homo sapiens

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<400> 690
ccgtgaagga actattatta ctttaaaagt gagggtaatt tacatatggg gtgtatatat 60
tctaaaaata gtaataaaag taccttttat aagcaatggt gtgtggcttg tagaagaaag 120
cagggaggaa aaaaaggcag gcaaaactag tctaggtcta ggccctaaaa atgagcttcc 180
ttcccacttg actggaacg cccatgtgat ttctaggctg aaaataggta ggatttaacg 240
agtaacctag ttcccttctg tctctgattt ctgatcagct gatggagctg ctagtaagag 300
gggccgatca tgctcccaga cgagtccttt ggccctcttg tctccatccc aagcctgact 360
ccttcagcag cagccccctc cttctgtgtc catctgatgc aggcaagcag gagcagtaag 420
agggcattcc atgttccagt tcaccttcta tggggtgact ag 462

```

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<210> 691
<211> 202
<212> DNA
<213> Homo sapiens

```

```

<400> 691
tacagaacaa acgtgttctt tactgtgaag ttcattatga acctgaatcc ctgatcattt 60
aaagcctatt atccaactta tgccatcaagc agcaacattt ttgtgttcaa caatttaact 120
tactacacac acctgtgtga aaatcacaaa ctttctcata catttatgag cttcagaatg 180
taactgggaa gtgtagcaca gc 202

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<210> 692
<211> 417
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 692
aactattctt gttttatatt ttattatact ggaacagctc gtgtcctctg tctcttgcc 60
cggtgcctgg gtggcttgcg cccacnatct cccccctttt tattaactag aatcgccatc 120
gccatcattg cttgttggtg acttcggact tggtttcgga ctcccttagag gcatctgcag 180

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<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 696  
tttttttttt acacttttggt gttattcttt tattcttggg tgtccccccac cagaccccag 60  
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ccacctcttg ccaaacatct gaatcaatgt cacagcaaca cttggtttgc tctgttgca 180  
ttctcatgac aggtcagcg tcaggtacga cgttcttgag ggcaaggctg tctccacaa 240  
agccctctgg ggttgggggg tntccagagg caagccctca gctctnggga gacttgtctt 300  
gccttccggg aggaaacttg gggggcaaaa gggacaaagg g 341

<210> 697  
<211> 560  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 697  
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tgggggtttac ttccagggat ttacagacca atataagtaa acagctgggg tttcttttta 120  
ggctgtttct cttggagggt gtgcaggagg ttgaggaaag cacctctgat gagcagatag 180  
ctggaggctg ttcccacagt catgtctcag cgaagaagtc ggagttcagc agccatcaga 240  
accaaggtat gtgtggtgat cttcggaatg cactccaaa tcttttgac tttcttttnc 300  
acacagcagg agttntaaaa gantgcttcc ttttattatt aacactgaga atccatgcag 360  
agagtttaca ctaaacacat gantacattg tgtttttagg aaggctgggt nccctcagtc 420  
cccagatctt tgaattctac cattaagttc aggtaggttt ttngagacag agntttgccc 480  
gcatcatatc tgtgacactg actcttctgg gtntagggtt ttctttggcc aggggtttct 540  
tgagttcagn ccctgatcat 560

<210> 698  
<211> 356  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 698  
tttttttttt aattaagtat ttcattgttt tatttcaaaa gaaaaaagga taccaagaag 60  
cagaagaatg aagcagttaa aaccagcaaa gctgcaaagt aggaaagaaa gctgaggagg 120  
agattgatcc gatttcaacg atgtggccac ttaatgcaaa cacaggggtc tgatgctgca 180  
aacctaagtt cacatgagtc cagtgacttc agcaggtcca ctggatccnc cacagtgaca 240  
gggccagggc ctttctgct gaatcctaac tttacacatt ctaggncaca tgtcatggca 300  
catacagggt tacactttat ggggttacct gacattggca tgccatttgc acacag 356

<210> 699  
<211> 377  
<212> DNA  
<213> Homo sapiens

<400> 699  
tttttttttt ttcctagata caattccttt attatcatta tcatgcccc tagcacatga 60  
agctgggctt ccacctagat cagctaagga caggggtatg tttacaatga gaacaatttc 120  
tctatgcgca ttaggttaag acctcttctc tgtttctaga atactgtgat gactcacatc 180  
catggggcag ctgcttccag ggaatccatc tggcctcaac aacattgggc tgctgggaa 240  
taacgggtctg ggcacttgca caggggcagg ggtatggggg agcaggcctc aggtttatta 300  
aggcaggac tggggcactg ctggaaatag ggggaagggg gggcagccaa catgttagcc 360  
aggttcttcc ccaaggg 377

[illegible]

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<210> 701
<211> 367
<212> DNA
<213> Homo sapiens
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<400>	701						
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tgggctccac	cctcacttac	tgcccgccgt	ggatggcctt	ggaggctgcc	tgcccgcgcc		120
aggatgtttg	gcacaaagag	cagccccgaa	gcccncntnaa	tgntctcgat	gggcaccagg		180
taagcgnbcc	agtgggatgg	cctnatccac	agggtgcgttg	ggcatcacgt	agggtgcggan		240
tncaattttgc	ccanctgntn	cctccagggt	cagcaccttg	aagaagtttg	tgggcactgc		300
cangtggttt	ttgccgatga	cctgggtant	ttacgtagga	tttcccatca	gnctctgtcc		360
atgggac							367

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<220>
<221> misc feature
<223> n=a,t,q or c
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<210> 703
<211> 339
<212> DNA
<213> Homo sapiens
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<400> 703
ttttttttttg tatacggtaa ctactttatt attttcaaat gcaaactctt tgcatttagt      60
ttgctattttt acaatttttac aaactaggta taaaagacca taaataaatg acataagtta    120
tgtgtaccta  aagttcatga aqggaagaaa aataccttga caaattaaaa caaaatagga    180

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aaatctatgt	ctaactccag	aatcactca	aattttggga	acgtgtgaac	cgaacaatgt	240
tctgttaatt	tctttttcag	tatggaacta	aattataata	tggccttata	cattctnatt	300
tggaccacag	tccttggcat	atttccacnt	acttggggg			339

<210> 704  
 <211> 302  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 704						
tttttttttaa	cctttatata	cagatatatt	tatagaataa	gctatattaa	tttgtctctc	60
cttttttacag	caatattagt	ttgggatctt	tcatacat	agtacaaaaa	aagtctgggg	120
agaatggcac	gtaagagagt	gcatgagggt	ctgtggggcc	cngctgctcg	ctactgattg	180
catatggggg	cgcccaggnc	cctgggaggg	acangcccgc	gcacttntct	ggcaggggtc	240
ngggatggag	tnggggtcgg	tctnagccna	acggggctga	gggggggtngc	tcanaccccc	300
ca						302

<210> 705  
 <211> 413  
 <212> DNA  
 <213> Homo sapiens

<400> 705						
ggttgtcatt	tattgttttc	aacactatct	tcatgacctg	tttgtgttca	gagtgggtca	60
cagataagga	aacatttttg	cccagtctta	agttcatgga	agataatagg	aagagtaatt	120
aactgcagca	aaagggttagg	acaaaacatg	gcattatcag	ggcttgaaag	gactttattg	180
tggctgtggt	gaagcaggcc	ctgggtcttg	gcagatgata	ccagaagggc	actgagtgca	240
ggcgtgcaac	ttgaatttga	tcccataaag	tcagggcatc	aggaagccat	tcagaatttt	300
tcaccctgtc	agatgctcag	atttgctagg	agaactctgg	gtagtgggca	agaaccagag	360
ctgttacttc	aggaattggg	gacagagggc	atttttcccc	aaaaaaaaaa	aag	413

<210> 706  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 706						
tagtagagac	agggtttcgc	caagttggcc	aggctggtct	tgaactcctg	acctcaggtg	60
atccgcccgc	ctcagcctcc	caaagtgtcg	ggattacagg	cgtgacacat	gtgcccggcc	120
ccccttaaaa	ctctttaatg	gtgtctcatt	gcttacacat	tacagttcaa	gctcccaaac	180
acggaacaca	cgactccttc	ctcctgttcc	taagaactta	aatgggnagt	ctcaattctt	240
accacttcct	gcctcgccct	tgatacacca	ggcaacacca	gattgcttgt	aattcttgac	300
aaacacataa	cacagcttgt	tctacctctg	gggtgttgtt	cacaggtacc	cactctgtcg	360
ggnaactgcca	taaccctcat	tnttatctct	taaattcaaa	ttggcatttc	agntcactan	420
tttttttggg	ggnggctttt	tnttaatttt	tccc			454

<210> 707  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 707						
ttatangcat	tacntnttta	ttcaagctcc	acaataacgc	agcaaaatac	atactgattt	60
catatcacca	gcgaaaaaac	cataactcaa	taagttagg	aacatccaac	taggagtggg	120



tggacaaaaa	cctaggcttt	gactccacac	accacactct	actggatcag	gagaatactc	180
tgatgaggtc	tcatttccac	ttgagtttga	agagcctgtc	gtttgggatt	tctaggaata	240
tttagtctaa	tgattattcc	tttctgtagc	ataggatgat	gccctcacia	aacagccagt	300
gtgggttaat	tactacacag	ctgtcagctg	ccatacatcc	taataccnat	tatttaatat	360
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<210> 708  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 708	tttttttttt	gctgacttta	attacaaact	ttatttgtca	atacaattca	cagtttatac	60
	atggcgcat	ccaccatata	aattttcggg	acagttat	gaggaaatgg	gtgtagcttt	120
	ctttctaaaa	gagcctgact	ttctaaaatt	ttgggtggat	tttttttaac	tttataaaaag	180
	tacttttaac	aaattaattg	aatatttaca	tttctagctt	aaatttaa	tttggaat	240
	aagcgtctat	tagtttattt	ggcttctttt	aaaggattcn	ggggtttatt	ttttccagga	300
	ccccaatccg	gatggccncc	ttattccgga	taccngctcc	ccacccccca	ccaccac	357

<210> 709  
 <211> 347  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 709	accaaacaaa	anctttatta	atgcattgac	aatcagtgaa	gacaatgaaa	accaccact	60
	tttgtccgtg	aactgagaaa	gaaaatggca	atgtcatatg	gcattaatga	tgcatgagat	120
	ctatgggtgt	agtgtcacgt	ctaggcgtgt	agtaatccag	tcttcggcct	tactccaggg	180
	agaaagattc	agctttgtta	ctttccagtc	actctctccc	gtaacacagc	accttgggca	240
	cagaaagcag	agcgnccaaa	accaggant	gagggacagt	taaaattcaa	cttcaaggct	300
	acagccatcc	caacgggtcc	tnccagctc	ccgcgggatt	ttttacc		347

<210> 710  
 <211> 367  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 710	tnnaatanat	ttttactgaa	aacttttatt	gtaatcaaaa	agtgacataa	cagggttgta	60
	atgaattcag	caaatcattc	tgctgatatt	ttagaactta	tatcagcttt	tgccaggcaa	120
	ttaaaaaatt	caaatgtgaa	aatttcacat	tacagtaa	tccaccccaa	ctaattaatg	180
	gtgggttaaaa	ataataggcc	ctagcaaaac	ctctcatgtt	acatggtcac	aactcacaat	240
	tctgtacaaa	agttcgtgtt	ataangctct	gatgtaaaan	tcaaataatc	aaggcaggca	300
	atatttttagg	tgacagcacag	ggctttccat	gtcattat	acaagggtt	gaatctcttt	360
	acattat						367

<210> 711  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c





<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 719  
 cttcaacaca gcagaaattht atttcccacc caggtaaggg gaccctgagg taggcagtga 60  
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 tcatggtgca aagtgggtgc tgagctccag tcatcacttt agccngcnga anggggaagg 180  
 gnangggnaa aanntttccc cccnctnngg gggatttctt tncnnncccc cagtnaggat 240  
 tttgngttta ttataaggna agaagagaca gttagcngag gcttcctgt ccaccagg 298

<210> 720  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 720  
 tgggttggga ttttcaatct ttattatttg aaattattgt ttcaaatttt attacataacc 60  
 atggccctag tattttgttt aaaatatctt tatttttctg taaagaacaa gtgtgccata 120  
 tttagctttt gatagaaaaa attaagaaac tatcataaag ggaatagcta aaagaaaggt 180  
 tagtaaaggg agccatcaca aggagagatt ttggaaaagg gtggtgtctt agtccatttt 240  
 gtgtttctgt aacagaatat ctgagactgg gttatttata ataaacagaa atttatttgg 300  
 cttagtgtga gaggctaggg aaattcaaga ccnaggggcc agcatctgat gagggccttc 360  
 ttgctgtgtc caccacggg caaagggtgaa ggcagaaggg gaaaaagagt ntgtgaggga 420  
 aaagagggga gcccaaactt gcttttataa cccaacacac tcctgaggat aatggggntt 480  
 aatcttttca tgaggggc 498

<210> 721  
 <211> 537  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 721  
 acattttatt tataacagga aaaatatatc cctctatatt ttagtttaaa aaaatactgc 60  
 ttggaagcag cccatattct gtgcgttttg tgaattttca ggtgagactc cctcaaccgc 120  
 ctttcccccc tactgccac accactgcta gtccatgggg agggggctgg ggttcagggtg 180  
 ggacctcttg gttgggagcc tccattgcta ctttgcatth aaaggaccga gagtctcttc 240  
 aagacaagac cactgttatg tgatggatgg ggggtgtctg ttgctggatc cagttccaaa 300  
 aggtgccag ggaacctggg gaagggtgact accctatcat ctcacaggga ctccccacac 360  
 tgggaacccc agcctcttg ggtcctgggt ccaggggctc ttttccctg ggctgggtcc 420  
 atgggttgcg acaccacgg caccgggca ttccacgntg gtncttcgag gggagggtt 480  
 nagagggtca agctncacct tctntttccc tggggtngcc agattcantc cttncct 537

<210> 722  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 722  
 agtttttaaa taatgtcaca ctgaacaaca catttaacag ctgaataatt tgtaatgaag 60  
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 tatcattaaa ccagttttta ttaaaaaaca aaatgtgatg ttaggtcagt tcagggataa 180  
 attaagccat acattatatt gacttccact tacatgagat tcctagcaat catatttgc 240  
 gcaatgatta cccactgact tgcattcatt ataacaagg acaaataaac caaatggcca 300  
 aacagcaacc aaaatatatt gttttaagag ttaaacacat tcttaaaatt aaaatgctaa 360

aaaggtacct aaggggctta attgggggct ctcatatttc aa

402

<210> 723  
<211> 552  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 723  
ttacaattga aacaggtctt tatttacacg gaagcagaga gacagaggga tgagggcagg 60  
cacccecaaaa gtgacttcac attcaccaat gtttcagtgg cttctaagac cacagcagan 120  
gnatnccntg ggactcacag ggtatgaaaa tgtgttacc tccaaagcct caaaacaaaa 180  
gggttggtatt aaaaacaaat accaagtgtt tctggcatca gttgaaaaag atctgagaaa 240  
gaggaactat tgaatgtcca gaaaaatcaa agttctggga ggctaggaaa tctgacattt 300  
ctctgataga gagatcactg ggtcatcagt tcattttggg gaaattcttt acagttaagg 360  
tgatgtgttt cttttcattg gtaaatttaa caggagagg catcattatg gggatacatg 420  
cagggtcgt gccgaattct tgggcctcga gggccnaaat ttccctatag gtgagtcgta 480  
tttaaattcg gtaatcctgt ccataggctg ttttcnctg gtggaattgg ttatnccgt 540  
tcacaatttc ct 552

<210> 724  
<211> 388  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 724  
atcaaagatg gctcagagaa tggttaaggca acagtgagaa acatcagctg tacttgtcga 60  
gaaggtgtct gattacacag cgttaccatc ccagctggcc ctttgctata acagaggagt 120  
gggtgagtga tatgttccaa cagctggtct aaagaccaga ggcacagttt caggtaaagt 180  
gcaggaacag ggtagaggct acaggtggaa agatctagaa gctctgtgtc caacaaggctc 240  
ctcacgttct ttatcagcat ggactgactc aatctaaatt tgggtgtccc cctccacagg 300  
ttctagtaga aacctacggc atgaaggaat agaatgcaga cagantatag ttaaatecca 360  
aaaaagggcc cttttcttct aaaccctg 388

<210> 725  
<211> 495  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 725  
gtggagatgg agtatgtatt tattttacaa aaataaatca ccatcttcgg accatttgta 60  
gactggaaca ttctgagcaa tgagtgcgcc acacggacga gtgccctggg gactccctga 120  
tgttcgcgtc acccccaggg ccaccttggc gccgcgcatga gcctcgnttc cactcccgg 180  
cctccaactc ctttcctcgc cagccgccat tcaccttctg ctgtttattt gtctgcagan 240  
gcctgggaca ccggaagagg cgattccctg agcgccctggg agttggagac aattcctggg 300  
tcagaattta aacatcttct taggtaagcg ntgctccaaa actcttcgcc gcgtgggact 360  
tttgaccag gggcggttgg ggagganttg gccctccacg gttcctgggc aaccgcggcc 420  
tttttgaaag aggttctggg caatatttaa cttcgaggga atttggaatt ggattccttt 480  
aagttcttnc cctgc 495

<210> 726  
<211> 501  
<212> DNA

<213> Homo sapiens

<400> 726  
ttccatccat ttagcaaact ttattcctga ccacatttta tgccctgggt gtgaagtggg 60  
acaaggaaaa tgactaagac atagcctaaa tttttaacaa gtaaactctgg ccatgcaacc 120  
aataaacagt tcttagtcag gtgcctatag tcccaggtag ttgggaggct tagggaagat 180  
gattgcttga ggccaggagt tcaagtccag cctggggcaa cacagtgaaa cctgggtctc 240  
taaaaaccaa acaaaaaaaaa actacagtgc ttctcaaacc caaatcacct tcccagggtc 300  
ctttctgccc aaatatccct caaaccaaca ggatgtgtgt tgggtaaatg ttggaaccaa 360  
ttgggctctc tggaaaaact tgtgtgtgtg tgtgtgtgtg cgtgtgtgtg tgtgtgtgtg 420  
tgtattaggt ctgtatttaa tactgggcta ttaggattcc ccaaaatttg accaggcacc 480  
attccccagg ccagcatagc g 501

<210> 727  
<211> 422  
<212> DNA  
<213> Homo sapiens

<400> 727  
agcaagggtt taatggaaag cataaaacac tggaaatatg gacagaaatc agattattac 60  
ccttttattt ttttcctgc ccctttcaca atgagactgg aggggattca agaaccactt 120  
gaaataaagg cgaaatgatt agattttttt ctcttaattg cctaacgctg atgtcatggt 180  
gtacgcaaaa tcaacattga tctctaagtg aaagaggaga aacagaacaa catcaacagc 240  
ctttcgagggt aaactgtggg gccagaatct atttagggca acccgagggg cccaaaatct 300  
ctggaaaagc ccaacagtgg gagccagttt ctggatgctc ctctgttggg tgatctggat 360  
ctttgagtgg ggggaaatct ggtaggaaa cagcctcctc gaggggagcc ctccccctgg 420  
gt 422

<210> 728  
<211> 169  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 728  
ttcacaaagg tttattgggt cctgacctgg tgctggtttg ggtagtcac ttagaggat 60  
ccatctgggc cagcctggga ggggcaggtc tggagtccna ggcagacacg aaaccggggg 120  
tgacaccagg ggctttggag gctgccatgc tgaggacagc tctgggagg 169

<210> 729  
<211> 359  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 729  
ttattaagac tgggtcacat ccagctagta catttcagtg ccctttctgg tgctnccctc 60  
caggagcaga cactgcaaat ttcagaacct ccatctagag aaaccacctaa cctgtgatct 120  
agcttccgag gctcagtgtt ggttcttctg gtagtgctga tgtgtgggta cactgaggc 180  
caggccacag tcgcatgtac cctcctctgg gctgactcac gaggctacag gggacagcac 240  
acctaagtga cagggtctgtc ctccagacat actcattaac aagcacgttc ctgggctaaa 300  
aaataaccag atcttttttg ccgtgccctt cagggttgga gaaagaaaac ttcgagact 359

<210> 730  
<211> 434  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

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<400> 730
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gtgtgtgtcc atgtccagta attattttcac tgtctgtctg aagtactaac aataactaaat 180
ccaatgctcg gcgccacgct gcaatctttg gtgtaacaac gtcataaact ctcggaatct 240
gctccagttt atttgaaatg tctgaattaa aaattctact atttagttta ctatattcat 300
tcaagatgta agatgaagga gagccagagt ctgtggcatt ttgcagatga tgttgaatgt 360
atgtgctggc ttcaaattct ggatgagtaa ttggcagtggt tatataggag agttggaaag 420
gtatttcngc catc 434

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<210> 731
<211> 423
<212> DNA
<213> Homo sapiens

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<400> 731
ttagctggac aaagtacttt taatgcttat ttacaaaata tgtacctgtg gtgctaatac 60
taggcaaaga aaacaggacg attcaagagc agcctatgta actaccaact caagcactaa 120
cactagctag atcaccttca tgcttttaaaa tttaaagtta tggagtagct gtgcccaccc 180
ccccccaaa aaaaagcttt aataaaggca ctgcagcggt aactaagttt tagggtaaat 240
ttaggcaatt aacaattcga agagacttgt ggtttatgta ttagtaattc aaattactgt 300
tttagagatc tcaggtagtt aaccaattct tgctcaaagc actaatgttc agtccctcac 360
catttatgct gggtagtagt cccaatgcat gggtagtgca acctattgtc aggcacctaac 420
atg 423

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<210> 732
<211> 676
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 732
tttttcagtt ggacacaaat gtattttattt taccctagca atagaacaaa atataatttc 60
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ctgtggttga ttgctagtgg ttaagcatgt tttcaatctt tgccttaatg taaaagattt 180
gcagtgaact gcaaaactgat gcagaatatc tctcctgctt ttccaagtct tgtcaggaat 240
agtaaggtag agtaaatttg tcccacagga ttttaaagcc tacgtcttgt atataatata 300
atgcaggcct acaaaaatgg tgcagccata ttacaaaatt tagttcacag actgctgcag 360
taaaatggct ggaaagtttt gttttgcttg tttcacaatt tctctaaaca gcagcagaat 420
cttaaaaata ctggctggca tctcttttct ttgtaacaaa taattcactt tagtatactc 480
tgtgtatata caaagttttt gtatgtttta taaaattca cagaactgca aggttcagtc 540
acttttttac accagagaac cacagggtcaa gagcactctt caagcagagt tgagggactg 600
cgnagccaat ggtgccttat tattaaaccc gcatgggcct ggatcctagc tgagataagn 660
tgtaccacgc atgcct 676

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<210> 733
<211> 446
<212> DNA
<213> Homo sapiens

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<400> 733
aaaaggagaga gtgaggcttt ttattgtgta tgaattcacg tggtagcgac aactccacac 60
aatattaaaa cactgcgaga aagtgggtgc ggcacacctg gaattttaaa aaagtcagaa 120
ataaaaacaa ccagacatcc caatgcagat ggcatagaac ctgctagaac cacaggcggc 180
ggctggaaac aggagacagg tctttacgaa ggttagatgg gcagcggttc cgtggacaga 240
ggaggaggcg cggctggccg gcatatggct tctgtgcaga gggcctggcc tcaggcggtg 300

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ggacttttta	ataagtgacc	ccttgaggaa	gggcgtggtg	ggctccacct	cccacccgga	360
agcccccccg	ggtccactca	cgggcggaca	ggtgtgtgac	ggccctctcc	tacctgcccc	420
agaacttggg	caggacgggc	tgtaa				446

<210> 734  
 <211> 604  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 734						
caaaaacaga	tagttaatac	tcctacttat	cataaaactg	tgttagaatt	cagcagctgg	60
attacataat	actattataa	taagccttta	ttattgagta	actttacata	cataatattt	120
atatgcacaa	gtatttgaga	gcttataggt	caagccctgt	gctaagtact	ttgtacccat	180
gatctgatag	aacccttata	acaccttgat	gagatgcagc	cattttctac	acactacaca	240
tgatgaaacc	agcacaggaa	atcagataac	ttgcctgctc	ttggccacca	cgcggtgcct	300
gctgctttgt	gttttatggg	aaattgcaca	tggaacaacat	tcaaccatag	gcttcctgcc	360
tttattatta	aagggcaaat	atgggtaagg	aggatagcat	ggggcttgat	ttgttcaatg	420
acctaaaaat	aaactgatct	tattcatacc	ctgccttggt	ctaggaaagg	attcnagtgg	480
cttctcagca	gagggcaggg	caaggaacag	gtgctcagga	attggagcat	ctggcacgca	540
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ttat						604

<210> 735  
 <211> 404  
 <212> DNA  
 <213> Homo sapiens

<400> 735						
gtttggcacc	taagaaacat	gatggttgtg	gataatgcc	caagtaacaca	gggagaccca	60
gtaacaagac	atgcaggggtg	agggcaagcg	gctgagctgc	ccaagcattt	caaaaccagg	120
actttggctt	cccattgcagt	tgaggggtag	aagggatgtg	cggaactgat	gacttcaccg	180
gctcctcagc	agcatgtaca	ttcaaattga	agatgcttga	gagccccact	ataccaaatc	240
gtgagtctgg	tactcctcc	agcagagctt	ggtgcagtga	cagttagaaa	agctgagttc	300
caattgagtc	tgttgcacca	agagtccttt	tgaagacgct	catcaaagta	attattttct	360
ttttgagcag	atgtacagca	catccatggg	aaggccatgt	aaaa		404

<210> 736  
 <211> 326  
 <212> DNA  
 <213> Homo sapiens

<400> 736						
atattttctcg	tggtttataa	gtttctgaat	ttccaaattt	gccactggta	ttttaaccta	60
cctacaatgt	tgactctacg	taaaattgat	ttttacatgt	caggaataag	atgaggatca	120
acgaacaaat	gcacagtctg	tcttttctat	agttcaatag	tccatctttg	aatagcacat	180
aatggaatgt	cagaagtggg	tttttaataa	tgtatgttta	cacttcattg	atttataaca	240
atcatggcta	tggttcttgg	gtagaggaga	atgttttata	ctggaatgac	atacatatgt	300
aggtaaaata	tgatagatct	atatat				326

<210> 737  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 737						
aatagggcac	aaggatattt	acaggctctc	atcattctgc	ttggtattct	gttgggtgtaa	60
cttttgtgtg	tgataaatte	ttctccagag	acttatectc	taagctctcc	aatgtgtctt	120
tttagctgga	gctaattgtg	aggaaggcca	tttttaaagc	aaatcaaaac	attaaaagggt	180
ttaacatctg	ttaatcgggt	gttttatcta	gaggacataa	aagatattca	caatcctcta	240



gcttaccgac ttaacgct 258

<210> 738  
<211> 286  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 738  
aaaatcagag actatattata ttaaataact cttcccttaa aaatggcctg accacagcaa 60  
tgaatctgta aacacagagt aatatttttc ctacagtaaa gagtcacttt aatctcaaaa 120  
gatacttttc actgttctaa atgacaggnt tttaagcatt ttttcctata tataatacag 180  
catcacttaa aattttatatt aaagacagtt gattcaggcc tgccttggac tggaaagaag 240  
tctttaactt agtgggatta gtgcttcagc ttggtcccaa atattt 286

<210> 739  
<211> 261  
<212> DNA  
<213> Homo sapiens

<400> 739  
aagatcctta aaaagtatct ttaattgatg ccaaataatga acagatcgta aagtgcagaga 60  
agcaagtaaa attgcataga tgaaaactat gcgcatcaat taggttctca attcataaca 120  
ttcaatgtcc ttgacctgac atattacaca gttagagaag ggagaatgcg cagtaggtga 180  
agatgagaca cgtccttaac tcaaggtgga agcaactggc aaactcaaga aataaaatag 240  
cgtttttttca gcttaaatgg t 261

<210> 740  
<211> 316  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 740  
aaacaccaat aaatttnatt ttncctcttaa gagagacagt cctgcttggc acagcagctc 60  
ccctgtcctt ctgcacctc tcagtgtctt ggctgtgtca tccttagaca atcgtccttg 120  
tctttatggc caaaatggc gtctgtacat ccagaccaca catccatatt ccatgctgca 180  
gaatggaaga gaggcagtga agggcggggg cggctcctgc cttctcagag ttcccagaag 240  
aaccctcaca acacatgggc tctcatctcc ttgtccgagc taagccactg accacagctg 300  
ctatggagta aggaaa 316

<210> 741  
<211> 236  
<212> DNA  
<213> Homo sapiens

<400> 741  
caaataatttt attaatctgt ttggccaaac aggtaatgga aactgagaat aataatttgc 60  
taaaaagttc aggtcatgaa tgcccctttc cccagggaaa cagaagactc catggttaca 120  
gaatgcacca ttgggttatg acaacgtttc aaaataatgt ttccatttca tatgtaacaa 180  
tgtaaaactc aaaaatagta aactctaacc cctgaccctc tttacagatc tatcac 236

<210> 742  
<211> 447  
<212> DNA  
<213> Homo sapiens

<400> 742  
tttttgtttt tttttttttt tttttttttt aaaattttta aaattttaaat ttattaggat 60  
ttattaacac aattacacag aataaagttc aggatttcat taatgatggc caccaatatg 120  
tgcttctttg tggcttttta acccataatt ctcatgattc aaattttattc atattatagt 180  
tgaatttcat acacagcttc acaatgtgga tattacaggt ccaccagtaa aattaatgaa 240



<212> DNA  
<213> Homo sapiens  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 746  
aaggactttt tcccctttaa tatgaaagta taactacagc agttcaatgt acaaatacaa 60  
aaaaagttct cataactaaaa aaaaaaaagt accataatac tgtacatata aaaactgttc 120  
aacaagaatg atttaaatat gtctgttctt gtccagatct ggaagacaca aatgtaaagt 180  
tctgcaactg tattattgct aagaacatgt gcctgggaac actgtgtttc cttttctctc 240  
cctcagccca gcccgcctc cagagtcctc tgagcttgga tcatgagcca acagcatccc 300  
tgaagataac cagagccaaa tgtttactca atggaagtca ttattcagtg agctgctgct 360  
taccataaac tnatgaaaag cacagggtt 389

<210> 747  
<211> 318  
<212> DNA  
<213> Homo sapiens  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 747  
attatattatt tacatataca acacttgtga aaagggcgct agataagtag aacaagaagc 60  
ccagtttctg gtacatcctg cntctcagtc acctctaggt ctctggaact tgaaagctat 120  
gtctcttctt gcagggttct gttacaatcc attgattttc cctcacggtg taaagttccc 180  
tttgcttaag tttcactgga ctatttcccc caaggtcatt ctgacaaatg atgttctttg 240  
ttgtttatac tgttcaataa gatttcatct tgaagaacat gatgnaatca tgtgacgaca 300  
ttcnttcccg ttattgaa 318

<210> 748  
<211> 395  
<212> DNA  
<213> Homo sapiens  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 748  
gaattgtaat aagctgttta tttacttttg ccccatgagg ctatgaattc ctccaggaca 60  
aattggctgg cactttgctg ctgtttaata aatatctgac aatgcatgaa tggcagtgtc 120  
ctggcagaaa acagaatagt ccaccttgag aggcaacaag tctaacagc tttttgttta 180  
cncagaggct gatccacct ctctcagaga tcttagaggt ggtgctgaag attgataaat 240  
aggacacgaa tgccctaggg tcccttctga catggtgatt atggggcagt gactctggca 300  
gggggctgna ggggatcttt gaaaagcaac caaggcccg ttgagctaata cacttgatat 360  
cagtttgggt tcacagcagc ttgtgttcca gaaag 395

<210> 749  
<211> 455  
<212> DNA  
<213> Homo sapiens

<400> 749  
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tatcacatta ccgctcttgg ttatcagtta acaaaggctg ctaatgaaca gcatcgttat 120  
caagttgggt aagagacgcc ctgggagtc aggcaaatca tgacaacaca gcactttgtt 180  
ctgaaatata gtcctcttt catcacacac aaggagggtg gccagtcg agagatttcc 240  
tggaagtgg aaaggcaag aatattccgt gatgtgatcc cagaaatata gggttaatat 300  
tacaaggag agaaatgctc acggggcctt agcctggatg gcaattgtag aatgtcatgg 360  
ctttccctca gcctccacca gtccatgtct tccatgcaa cagccattgt acattggtaa 420  
ataataacca caaataaatt tgtataaggg ggaaa 455

<210> 750  
 <211> 366  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 750  
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 ggataatcct gaagacagtg ttagtctttt gatacagata agcattaaca tttgccatcc 180  
 ccaactgcat tgcatttatt ttctttatta taataattca agcttcatgc ttagatcact 240  
 agaggacata aaacaaatta naaaatcaac tatactgcat ttacaatgaa tgagggtggtg 300  
 catttctcct gctttctttc tttttttctt catctgttac tgcataataat catcatataa 360  
 ttttaa 366

<210> 751  
 <211> 387  
 <212> DNA  
 <213> Homo sapiens

<400> 751  
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 tatgttgac aggtgtgtct caaactcctg acttcaagt atccaccgc ctcggcctcc 120  
 caacgtgat ggactataga catgagccat cagtgttgg ccttcttgat tcttgaatac 180  
 ggggtttgag gtgaaagcat ttcatgaaaa cttaagttca tacacaagag catcatgaat 240  
 attctaaaag aggtatctgt gctttttttt gtgaccacaa aatattactt cttatgaaat 300  
 gtttactacta ggtgaggaaa agttcattaa ttaccttaa accgttcctt atttttttta 360  
 agatttttaa ttgtattttg gcttttg 387

<210> 752  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<400> 752  
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 agcctcagcc tccaagctg ctgggactac aggcgccac caccagcca agctaatttt 120  
 ttgtattttt ttagtagaga cagggtttca ctgtgttagc caggatggc tcaatctccc 180  
 aacettgtga tccaccacc tcggcctccc aaagtgtgg gattacaggc gtgacacttg 240  
 tgcttgact aaaacaatgc tttctaaagc gcattctgca gcctgatgtg cctgtgaggt 300  
 gagaggtgtg ggaggacag aagctttgtt caaagaggtt tgggagaggc tggatactta 360  
 gctcccttct tgtaagtttg ccacacacat tggcatatta aaa 403

<210> 753  
 <211> 323  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 753  
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 agtaggtatg taaactagta gacttccatt tttaaggttc acacactttt taacattgtt 180  
 tttatttgat gtaaaacaag acttatgttg tccctaattg aaagaccaag taagagagtt 240  
 atgtgcttct tcatggaagg gataactgga ttctttgcca gaaccgggtt gggaatttag 300  
 tttgttcaat gtggcatctt tca 323

<210> 754

<211> 445  
 <212> DNA  
 <213> Homo sapiens  
 <400> 754  
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 gggctacccc acaggccatg tgcctagagt ggccttaatt gaaatttttg ttacaatcat 120  
 tgtagattcc tgtacagtta taagaaataa aacagccggg cgcggtggct catgcctgca 180  
 atcccagcac catgggaggg cgagacgggc ggatgacgag gtcaggagac cgagaccatc 240  
 ctggccaaca cgggtgaagcc ccgcctctac caaaaataca aaaaaaccag acgggcgagg 300  
 cggcgggcgc ttgcaagtcc cagctactcg ggaggctgag gcaggagaac ggtgtgaacc 360  
 caggaggcgg cttgcaagcg agccaacacc gcgccaccgc actccagccc gggcgacaga 420  
 gcgtctccaa aaaaaaaaaa aaaaa 445

<210> 755  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens  
 <400> 755  
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 agaaaaatgc attccaccct caaaagaaat gaaccagtgt ttataaagac aacagatata 180  
 gccttcatcc ttaacaaata tatttctttc ccagtatttc cccaatataa aactgaaga 240  
 gtgtttatat atattcagtg caaggaatag tatcattggg acaactggac cacctctgga 300  
 gaaagaatga aattgaaaca tctgtttctg aatacatttc agtgtggtgt aataatatta 360  
 cactatagtg atgtgggaga ggctcctcta gcacccatct gcattccaca tggaaaaa 418

<210> 756  
 <211> 293  
 <212> DNA  
 <213> Homo sapiens  
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 <221> misc feature  
 <223> n=a,t,g or c  
 <400> 756  
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 ctgtgcaatt tcagtttcat ccacagtttc ttgtgctatt ctgtcataca aacactctct 180  
 gacgatgctt agtttgtgag gcgagagggg tgggttaggg actgcatctt tctttttttt 240  
 tgtggcgacg ctggtngacg cttctgtttt tcagaacatc ctgttcccca aac 293

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 <212> DNA  
 <213> Homo sapiens  
 <400> 757  
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 aaacattgtt tctcttcaac tgtatgacaa tactgtatat gccacaataa aatttacaaa 180  
 aacaatcgca tcagcagtcg taacaaacat catgatttta catttcaata cacaagaaaa 240  
 aaaatagaca tcttcccggc acttggctcc cgctgacgg caacgtctcc tccacacttt 300  
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<210> 758  
 <211> 150  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c  
 <400> 758

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 tctgagttcc tgggcacact cggggagggg 150

<210> 759  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<220>  
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<400> 759  
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 attgacagcc agatgaatgt ttagactag ctcatcatcg gtcattctca cgtggccaac 180  
 agcgacggcc aaacacagca ccttcttcat ctggaacttg attgtcgatt tcacctcatc 240  
 cactttggcc accatgtttt cattgtgtgt cagcagggag ggggaacttg cagccttggt 300  
 taggcctggg cccaggatac gtgggatctg cttaatcaga gactcagagg ccaaaaaggc 360  
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 ctgatgtcc n 431

<210> 760  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

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 gcatatatct caatacttgg ataatactt ttgttttgct tgtgttctn aggaanaaan 180  
 nnttttnatg nnagccagag aattaccttc agntgtntna cnggacaagg tanatnaatg 240  
 ngggaatgca tattcccaat acctaaagat agatngntga gtcagaata ttactcagtc 300  
 ctaggagtaa ttttttcttc ttttctctcc ttnaacactc cattggaact aactgagtaa 360  
 aggca 365

<210> 761  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<400> 761  
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 gaagcacaga cagaaaatgg aaacaaatac ctactggga atgtttcctt gcttgacta 120  
 accttgacta cagcaataac gcattgctta acagtcaaag tgcaccaggt catttccgca 180  
 aatggcaggg tgagtgactg tgccgttccc aaggaagcaa aacagacaca aacaggtccc 240  
 acgcgtggg tgcctggct gagtacagag gaggtgcta gaccggcagt acccttttcc 300  
 caagtgagga aagccagctg tgacactctg cttgccggca ggggttcccc accctccct 360  
 ccaccatctg gcccatagct gtaccaccaa ttacatt 397

<210> 762  
 <211> 621  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 762  
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<220>  
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 <223> n=a,t,g or c

<400> 766  
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 tcgtcggcct tgtccgcggc anagttggcg gcggcagagg gcacggcgcc ctcgaggagct 180  
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 aaccagatct taatctggcg ctcggtgagg cagagcgccg tgggcgattt caatgcggcg 300  
 gccngtaciaa gggtaaagcg ttgaagtggg actccttctc cagcttccaa cgtnccttggg 360  
 tancccgctg taagggtttt gcgggccccg gtttctctgt caaaggctcc tnaagaacgg 420  
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<210> 767  
 <211> 381  
 <212> DNA  
 <213> Homo sapiens

<400> 767  
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 tacagccagc tagatcgcca atttacaat gagttaagta agtaccataa gtttggttga 180  
 atatcaggtg cttcagagtt tttctcaaac agttacaaaa gagattaggt tcccaatcag 240  
 ttcacaaaag ctaatttaga gaatgtagct taactacagt actgaggttg tcacacactt 300  
 aactttcggg ctcttgctta tttattcata tctgaggttc actgtttcta ctaggataca 360  
 ttccgcccac acccacacct c 381

<210> 768  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<400> 768  
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 tcttaacatc cctgtggatt tgcctcactt gccctgggca gaactcttct cttcttttga 180  
 agtctgaatt acttcattat tgacatctat tttgaaattc tgttttacag ggttttaggat 240  
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<210> 769  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<400> 769  
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 tggtttgtgc ctgctgggca tcccactatg ctgattccta ctctaaaaga cacttacagc 180  
 agaaagcatt caccatgac cattatgaag gaaatattct gtccctcact caccctctgg 240  
 aagctaatat ggagcagcag tcaactctatc cagagccaca tgttcacagt tctctagcaa 300  
 gcaggtcaca ccccggtggg cccctattcc ccgtgacctt tgttgatcca tctcttctc 360  
 gctcagttgc tcccctgctc acctggactg 390

<210> 770  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<400> 770  
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 tatttataat tagtactagt tacacatatg acatggactt cttcaaataa aattcccagt 120



tatgaagctc	tgcagagacc	gttcccacag	cctgactaca	aagatcaggc	acctgaagac	180
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cactgtggat	atttaaataa	aacaacggtt	tttcaaacca	tgagtcagct	ggaaggatgc	300
ccacgccacg	cacactgcag	cactgggagc	tgactgggt	ggacgggaag	gacgcaaact	360
ccaagcagct						370

<210> 771  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<400> 771	attaatgcaa	acatattttt	attaaagaat	gaatgcattt	atgctaaaga	atagcttaca	60
	tatgttgtaa	agcaacaagc	atatcttcaa	gaagtgcagc	ctcctcaata	tgactccatg	120
	cttattctac	atgcctgaaa	actgggcca	cacacagggg	cacacgtaca	cgcacacaaa	180
	cgagatac	gacacacaga	tatgcagacc	gaaatgctga	caccatcgct	ctctagattg	240
	gattagctct	catttaaggc	ttcttaggtg	ccgcagtgcc	cctaataatta	ccaggattga	300
	aaacagactt	ttaggaagga	gcagcattac	ttcgaaaagt	agtcatctgc	tcttgtcctc	360
	caatgtgtgt	attttaacaa	ataccattta	attctatgtt	gac		403

<210> 772  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<400> 772	tttttttttc	gctacaaatc	aaaaggcttt	attccttata	taaaccaca	cttagaaaaa	60
	ataaatagtt	aataaattat	aggcaaacca	gttggctctc	gccacgcctc	ccactgaggt	120
	ccagggcagc	cgctgcagca	gcagacgagc	gggaagggtg	ggccacagct	tggctcaagg	180
	gcgtgggtctg	gactggggac	gaaggacag	aggaggaagg	caaggctctg	gtgagggcag	240
	ggatgggggc	taaagggtgg	ttcctgaggc	gtgccaggc	tctggcccg	gcagcagggg	300
	tgaggcaggg	gctcagctcc	tcttgggct	gggtgatgcg	gcgtgcgaac	ggctgcgac	360
	ccgagcaagc	tgctcccagg	ggcctggcg	ggcgccctg	ggcgccctg	cccagacagc	420
	caggaaatgg	acagtgcct	tctcgagaa	gcgcacctt	ctggccttta	ggggagtctc	480
	agggtccgga	tcatgagtag	gggt				504

<210> 773  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<400> 773	tttaacattt	aagacagctt	ttattaaata	caaaagcaaa	ataagctcta	aggagtaagg	60
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	gatttgaaca	aaccatgagc	agacagctaa	ctacatgtta	tgtttctctt	agtagtttta	180
	gggtctgccc	agtaatacag	aaattttact	tctccagaat	acatgaacat	gggaaccaa	240
	gaaatgtaaa	tatttcgaaa	aagcactaca	caataaaatg	agacgcaatc	cttatgcagg	300
	tcaagatgtt	ctccacatct	acaatgtgca	ttaacaaaat	taatgcagat	aagaccttca	360
	ctccaacccc	aaagatctta	catgggttaat	actattttcc	aaaatcagca	gaacaagctg	420
	cagttac						427

<210> 774  
 <211> 362  
 <212> DNA  
 <213> Homo sapiens

<400> 774	aagatctata	aatatattta	ttataatata	acaagaactt	aacagtaaac	atatactatg	60
	tacaatacca	ttacagagaa	ccctgtttta	tatcattcac	agaaatagcc	agttttgctc	120
	cagtgtgata	gatgaggaga	gaaacgaatt	tcaatgtcat	ctgtgttgag	tctcgctgac	180
	aactagaacc	tcctttggcg	tcagacgcac	accaatgcta	acattagccc	tgccccaggc	240
	agttaggaat	ttgtgctcca	gtccttgggt	tcacacttgc	accctgtttg	acataaatac	300

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at 362

<210> 775  
<211> 476  
<212> DNA  
<213> Homo sapiens

<400> 775  
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cccgtacta ccataaacg aatcagtaaa tgagacttag tttccaacct tacttccga 120  
ctagacaact gcatgaaaaa ttggatagcg aattatgagt ccaagttcta tagctggcat 180  
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atagttaaag taagagtaaa gaggaacacg tgaatgatgg ggagttgggtc taggaaaata 420  
ttgtgaggaa aataaatgaa attctatggt tagccaaata gacaaagata gcttct 476

<210> 776  
<211> 153  
<212> DNA  
<213> Homo sapiens

<400> 776  
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ttccttttca gtgagccagt gaattttcat tcgtttgttt gtttctatga atatttggtt 120  
tacttccttc ttctgggcaa gattagtatg caa 153

<210> 777  
<211> 486  
<212> DNA  
<213> Homo sapiens

<400> 777  
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gcaatatgct accatccagt aggatataaa tataaagaag ctgtatcagc aagggatgct 120  
cagggaatgt gtttgcagcc cgtttcacgg tagccgcttg agaggggata ttggaagtga 180  
gtgactttct ttcatgtggc aaagtttcct tatctcagca cctactcttt ctgatggtat 240  
gtttttgaag gctgcacagt acgactctgg gtaccgtgtg tacatacata tgtaaggaat 300  
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tcacagattt gagtcagtct cgcaaagagg ccggagtcgc aaatggctat attcagagct 480  
ggggaa 486

<210> 778  
<211> 307  
<212> DNA  
<213> Homo sapiens

<400> 778  
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tcacgtctgg ctgacacgtt ggcaggctgt ggcaccccg acagcggccg gtggcggagg 180  
tatgggggag ggtggcaccg ctcaactcag attcacagaa catggcaagc ccgcctgact 240  
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tcaaagt 307

<210> 779  
<211> 228  
<212> DNA  
<213> Homo sapiens

<400> 779  
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gcacctcaag acgtctgtga tgttggtctc agacaccact ttgccgtcca ctatcctgtg 120



<213> Homo sapiens  
 <400> 784  
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 ggcagctggg gagaacagcc ttgggtcgaa ggcacccctg gtagaagtcg ggggagatag 180  
 atagtcacag ttccccagtt ggtggaaatg ggatgggagt agggagaggc tggaacagac 240  
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 acaggggaga aatgctgctg agaaggttgt gtttgtagg ttgatgacga attttacatt 360  
 ggccacaaaa ttagctagag aaacttatct aaaggtggca ggagcagtgg ggagggcatg 420  
 aagaaagcaa gacc 434

<210> 785  
 <211> 404  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 785  
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 aagcacattt gcaccagcag cgcctgggag ctgctcttct ccgtatcccc accagcattt 240  
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 ttttaatgag atgtggagca cttttcagag gctggcctgg tttttgtagc tgccctaggc 360  
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<210> 786  
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 <212> DNA  
 <213> Homo sapiens  
 <400> 786  
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 tagctattga gaaagaagga gggccatagg tttttcaata aaacgttaga aacattataa 180  
 aaaacgagac tcccattaca tggaaacaca tgatcaaaga tcagactaac acacattcaa 240  
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 ctttcagaag cacttcacaa tgaacagagg tcttgccagc tcatttcatt agcggagaag 360  
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 c 421

<210> 787  
 <211> 339  
 <212> DNA  
 <213> Homo sapiens  
 <400> 787  
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 atcaaaaagta actctttcag accaaacatc cagcaaaac 339

<210> 788  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens  
 <400> 788  
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<210> 789
<211> 337
<212> DNA
<213> Homo sapiens

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<400> 789
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tctgctgccc tgggctgtcc cacaggcagc tctctagaac ttgagagcct caaaaggggc 180
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gaagaccacc aggtcagtgg agtggagagg ttttgtatat ggtcttcttt gaagaaactt 300
acttcttgca agccctggca tcttccaatt ggctgtc 337

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<210> 790
<211> 412
<212> DNA
<213> Homo sapiens

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<400> 790
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ctgctgaaat agagcaaatac agaaaccaag tagtgtaagg cattaggaga tacatgaaga 180
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atagtgcgt tggtagtaat cgccatagta ttcattgtcca tttcgatctc tgtaaagcca 360
ataggtgatg tcatcttcaa atttcgcttc gtcaaagccc atgtagagaa ac 412

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<210> 791
<211> 346
<212> DNA
<213> Homo sapiens

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<400> 791
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cgtggggcag caacatgggt gtcaagggtc agtgggttcta ccaccctgag gagaccaagc 300
tgggcaagag gcagtgcgac ggcaagaatg cgctgtacca gtctctg 346

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<210> 792
<211> 443
<212> DNA
<213> Homo sapiens

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<400> 792
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agtccttct ctctgccaga ggagcaatca actggattac aaaaaactac cttcacaact 360
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cttgttctga aaccacaagg ggt 443

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<210> 793  
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 <212> DNA  
 <213> Homo sapiens  
 <400> 793  
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 gcatctttat taccaaagaa atacataact ttaacagata atctctgtat cttagttttt 120  
 gcctttgcaa aacaaatgga gatatatcaa ctctcataca attctaaaag cattgtgctg 180  
 tgctgcctca caggggtacg ttcccagagg tttctctctc tagagcaatc cctaatagga 240  
 caattgttca ctctgagget tctggcttct tatctctcct ctcttgggga gctgctgctt 300  
 ctctgtaggt tgcttccctg tgacgcagg accatagttt ctgctctaata aacacctttt 360  
 ccactctgac gtagctgagc catacactac attgccttag tcctgttcac cttttggtga 420  
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 <212> DNA  
 <213> Homo sapiens  
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 attgccccct ttttcatatt cataatattg gattccccac taggcacata aatacattta 180  
 tctacaacac ctcaaaacca gaaacttta taatatctgt attattttac ttggtattat 240  
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 <213> Homo sapiens  
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 aaattattaa atttccaaga catataaaaat tctctttaag ttaaagttag aaagaaaaaa 180  
 aaatcacaag ttgaataaat acagtgattt cagctggtcc aatgaaagca taaggcaca 240  
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 tgtggctccc acgacctgc acagatgctt gggaccaaga ggaaagagca cctgcaggcc 360  
 gggaaacctc cttccagggt tcaagtttgg ctgggtgccc atgcttcttg tggacaggcc 420  
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 ctatcaaca atcctggcat gaataacatg aaac 514

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 <212> DNA  
 <213> Homo sapiens  
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 cagatgggat gatatacatt ctgcttttat ttttatctct ttggtaacaa ttattgacag 180  
 aacaatgaaa caaagataaa ttgttttaca gttgtaatac ccttgtagtg taattctcag 240  
 cctcttttat cttatattct actagcactt acatctaata ggtctcaata aagtagaaat 300  
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<210> 797  
 <211> 408

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<212> DNA
<213> Homo sapiens

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ataactgcct tgactgctgt gtggacaaag attccaagga tgtactttgg ctccatggga      180
aggactactg caattttatta gcggtatctg taaacatggg gaataaatct gaaacctcac      240
tagccatacg agaagccaca ggcaccaaga ctggcggtct cactgccaaa gccagcactg      300
gtgctcggtc caccaccaa gccagcacca gtgtttggtc caccgccgaa gccagctcct      360
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<210> 798
<211> 175
<212> DNA
<213> Homo sapiens

<400> 798
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tagtaacaga atgagtaatt tatacaattc aatactgtat acaacagtat gaatgaacga      120
actacaacat gcaacaatac agatgagttg tatagacata ctgttgagtc aaaga      175

<210> 799
<211> 478
<212> DNA
<213> Homo sapiens

<400> 799
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atccagtcct tggagttcca gtagactgat ttattcacca acagcattgc tctccagct      180
ccattccagg agacaggcac ccagaagta gcaggactgg tagacatcac tagtattgta      240
tatgtgttgt gcatgtatgt gtgttgaaga agaggatggg gaaaacaatg atgggtggtca      300
ccaggttaaga tgggaccagc gaagggattg caagtccagg ccccatgaac acccccaaag      360
aatgcccctc ctcttggaag taaaagtggg tctggatcca gggagatcaa cagttgcaag      420
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<210> 800
<211> 408
<212> DNA
<213> Homo sapiens

<400> 800
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cctttctact ttaccttctc atttcttgaa gtctctatcc tattaatttt gttatttagt      180
tacagtcctc ttttcagttt cttcagatgg ggatatgcag atgatagatt cttggaatcc      240
tttctgcate cttttcactc tggcagggtga atgatgcttg gctggaaaga gacttcttgg      300
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<210> 801
<211> 110
<212> DNA
<213> Homo sapiens

<400> 801
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tacatgagct gtctcaaagc cctccaataa attctcagtg taagcttctg      110

<210> 802
<211> 223
<212> DNA
<213> Homo sapiens

<400> 802
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taccacagt	g	taattttttt	ttttttaata	ctgaatctct	gga	223

<210> 803  
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 <212> DNA  
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acggagctga	gggggaggtg	tgcaggttcc	agcctagatg	ttcaggattg	agatgtgggt	180	
cgtgaaagga	aagtgggttt	tccgggatgt	gggggctttt	ctvagcactg	gggccactga	240	
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<210> 804  
 <211> 517  
 <212> DNA  
 <213> Homo sapiens

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<210> 805  
 <211> 229  
 <212> DNA  
 <213> Homo sapiens

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aggtattggc	cttttctctg	gaaaccatat	ttycctttt	ttaataatca	actaagatgt	180	
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<210> 806  
 <211> 293  
 <212> DNA  
 <213> Homo sapiens

<400>	806						
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tctgtgtctc	atttttttgt	tgtatttttt	atatttttta	tattttgaga	caaacttttg	180	
ctcttggtgc	ccagactgga	gtgcaatgac	atgatctcac	ctcactgcaa	tctccgcctc	240	
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<210> 807  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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aacccagatc	caggaggggtg	ttgtaggcgg	tctgctgctc	cttcccacta	gtgtagccat	180
tgaagagatt	ntagatcttg	tctgctatctt	cttgagcctt	gacatcatcc	accacggggc	240
atggggctctt	cacgatcacg	tcg				263

<210> 808  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 808						
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aacttaacct	agaagtttaa	atgaaattgc	atttgtaatt	tagtaattct	tatacaggac	180
aaacattgat	atgtttatat	acagtgtgat	acttattaca	tttatatgct	gtcctaacac	240
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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gtccagactc	attttattat	ttatcatctc	tcagtaactg	ctccgacagt	gggcaacaaa	180
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tcttactctt	ggcatccggg	ggnattaagg	tacaggccct	cngtgtaggg	gngttccctt	360
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<210> 810  
 <211> 460  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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cattaaggag	ggaaaatgtt	taataaaatg	taattaaact	gggatggaat	ggtcagtgtg	420
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<210> 811  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 811



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<210> 815  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

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<210> 816  
 <211> 599  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

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gaggagctct	tgaanggatg	gagagatttg	gatgggcccg	tgatccnatt	ggattgggtna	540	
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 <212> DNA  
 <213> Homo sapiens

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<210> 818  
 <211> 417

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

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tacaagctgt tcagaataac actcagacac acacacactc anagacacac gtaagtacat 180  
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caatattcct cttccattt cctcatgcag agtcattgcc agacttgat aggtttaatc 360  
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<210> 819  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 819  
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gtttgggcaa atgatttaaa gggg 444

<210> 820  
<211> 595  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

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gtgtgcaatg attgttatta ataattagct ccttggtttc ttgatagaaa aaggctatca 180  
acaagcattt gtttatccac aacaaaaagt ataattagct tatccactt agtaaattct 240  
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ggTgggtggT tgtggcatgg gggacaatgg atgcctggat gtgacaatta gggcttctaa 540  
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<210> 821  
<211> 341  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 821











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gaaaatatta	tttttggaaa	ggcctttttt	aagggtntgg	ttntttattn	tggtttttaa	420
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

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tgctcacttc	catctgccag	tttgggnagct	tcttggtga	nagatggcgc	cgggcagct	180
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 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

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<210> 840  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 840						
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agtaactgga	cacgaacgat	atgcttctca	aactcacaca	catattcgtc	catcacacac	180
acactcaaat	gataaagaan	tacattgaaa	tcctctacaa	aagagatctg	aggacagtan	240
tcagatgacc	tcattgtcgg	acagcctntt	gcagtttaca	gtctaatacca	tttggtcctc	300
acantagccc	tgtgaggata	agcagcacag	ggattactnt	tcacaccgtt	ttgcaggatg	360
agggaaactg	aggctcaggg	gatgtgtaaa	caccagccta	aggttttcca	gttgggagac	420
tgg						423

<210> 841  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<223> n=a,t,g or c

<400> 841  
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actctgctac ctcttagctc tggagggtaa aaagcaaggg ccagagcaaa tacattgggg 180  
agagggggag aaaaaaaaaa tcaggctatt ttaatagccc tcacatgcca agtgcttttg 240  
attcatcatg tttagttttc ataagcttgt gaggtagata atattatccc cattttatag 300  
atgaggggaat ttaggctcca atggggntaa ataacttgta caagnacaca tactggaatg 360  
actgccatga gggaggggaat gtgaattttg ggtcacgggg ccaacaccct acactcttcc 420  
taccntgcc acactgggca 440

<210> 842  
<211> 211  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 842  
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cggaggggac tcaccatgaa tatctggggg tgattcccag atgtgtgttg cttctctatt 180  
gcaagcagat tcccttgctc ggatttactt c 211

<210> 843  
<211> 510  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 843  
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caaattcccc tttgtgcaaa gggggagctt cctgctcccn ttggcacatt aataacttac 180  
aaattcagat cacaacaaaa cccagactc tagttttctg tttgaaaggt actgagctgg 240  
gataatgggt tgctaggaaa gagctaattg aagcccaaag gaaataaaat gttttcttta 300  
tcagaaaaga ataataacaa ggctcactc tccaaaggaa aacagacgtc ccaagatgtt 360  
gtggaacagt aattaagtaa ccaaatacaa ttccaatggn ttatttcacc ttcatttntt 420  
atacttacnc tcatctcttt taattaaata agcgaaacca ggaaagtgca nttcgaaggg 480  
actctgaact gtcaggggaa cgttntaaaa 510

<210> 844  
<211> 402  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 844  
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gnaggaggcg gcagaaccag aacctggacg cagganaagg acggggggca cgagatgggc 120  
acaggacgcc tcccaatcaa ggctgctctg tgggtttcag aaacgggaca cccatccctt 180  
caggcatcca tagcgtgtga actgtaggac tacagggtgc aggtcacccc agagctcagc 240  
atccaaacca gtggggcaca gcttcggcct cccacctgcc caggctcacc agagacactg 300  
gctntgggca gagatgacct ggagccagga tccaggaact gttgcgcacg ggggtaagag 360  
gccggggcca ncggcattgc catcggttgg tgangctttt gc 402

<210> 845  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 845  
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 gccagcccc tcctacttgg ctgcggctgg cgggtggggcc tgggcgacgc tgggtgcggcc 120  
 tggatggaca ggactccctc gggggacagc gcggacgtca cggcagccgg atccacgcca 180  
 ggcggcaggc ggtacgacgg tggaaactgc gcgcgacgaa tccgtgctca tccgggcgct 240  
 cctcgtggcg cgcgtgcacc tccacgtgtt cgcccaccac cttgacagca atttcctccg 300  
 gcgagaagtg cttcacgtct aagcagcacc gaaaagtngc cgggggtccgt cggnacctgg 360  
 ggcgacgggc aagcgcacgc tgggttgcnc gcaggt 396

<210> 846  
 <211> 525  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 846  
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 tggctcagtt cacctccagg acctcagctc ccgggaggcc gaacttggtc ttgtgcttgt 180  
 cgaagagctt caccagggcc tccatgtaca tgggtgtgta caggctgatg tcttgctggg 240  
 ttgggtgctc cagcttgggg atggtgatgg gctctccac aacagtgggt gatgggcttg 300  
 gagtagggca ccagccccca aggtgtcggg ggaagaagag gcctcgacca tgggaagatgc 360  
 atggggcgaa accaatgtat ttctnngaac ttcttctggg acccatcggc cccaggagcc 420  
 ctctcgaag atcacctgct ttgtacactt tcattctctc ccaaaggggg tagatgggaa 480  
 ccaggtcagc tcccatgacg caggggcccag ttttnaaaaa aagcc 525

<210> 847  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 847  
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 ggtgtttctt gaagttgata aaggagggtt gggctgcttg tggtttcctc caatatcaca 120  
 ctttcattta ttccatacac caccaacaac tctcaatgct taaccatttt cagttgccag 180  
 gaaagaggta gaaatatctt gtcatggaca ctcgttctat ggtgggcatt tggactgttg 240  
 cctccggact ttcaaagtct tgctgaacct tccaaaatac ttctctagg tggcagcgca 300  
 ggaatatctc tgggaagcatg cgatgagttg tgtgatgaag atgggaagcc ccttggtgcc 360  
 cgtctctccc tgggacacgt tatcctgggn tgtcaagatt ccccttctac aatccaca 418

<210> 848  
 <211> 455  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 848



tctgcagtga tgtctgcagt gacgaacgcc cggggtggtg agctctcgac tttagagaga 420  
gaattgcatc c 431

<210> 852  
<211> 363  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 852  
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gctatttaca atctgaaacc actctatata cagaaaaggg gggaaagaga cacaagcacg 120  
tgggggcatt taccgaaccc gataatcgca gccactggag ccgccggaga ggctgggcca 180  
cctggacgcg agctcgggac cgaagaagcc cttttctgca gaaagcgacg gatgcgagtc 240  
cttgacgtcg ttgtcatatt tgtcctttac accagtntga aatatttgnt cttaaantcc 300  
cctcgnngcc gaattctttg ggctccgagg ggcnaaaatt tncccatag tggagtccg 360  
tat 363

<210> 853  
<211> 418  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 853  
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gtcaacagaa gccaaccttg gtcacacagg tagtgaggga aggatatgtt gtgggcggcc 120  
cacaggcaac nattgttttc ctgacagaaa aaaaaaaaaa agcgccatca gtaccgcctg 180  
tagggggcat ggtgggggac agacacggca gaacgctgga ctcttgcttc agatnggcgc 240  
accacaagca cacggcactc tgcacaggtg ccagtcacc accagggcca gcctttgagc 300  
acaccctggg tgcctcagac tccggcagaa ccacatttc atcgcacacc caccattag 360  
gggccaccag tcgagaagca agctgggcac caggcagctg ctttgacatc cagagaaa 418

<210> 854  
<211> 355  
<212> DNA  
<213> Homo sapiens

<400> 854  
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atattggaac acttgttttt cataagctgt cctgacagtg gcacaatccc atccatcttc 120  
aggcctttta ataaggtcat tatgaaatct gaatttctat taatactctg gtgcattcat 180  
ttcatctgca aaagcaactg gcacaaccac tccttgccgg tgcagctctc ggagaacatc 240  
taatattgag tctagttctg tgcggaactt ctccagctca cgattcttta actgtgccag 300  
tcttttccat ttttcaactt ctttgttttg ctacgtttct actacttggt gtggt 355

<210> 855  
<211> 434  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 855  
gcttggtcga aggtagaaaa gttaaaattc ctttttctta gataaactga ttatttaaaa 60  
ctgaaaatta acgttttgac aactcaagag tgtctgacat cgctgggata ctggagtgtc 120  
gagtgtggcc tcgatggtgg cttcactcct ccacatctgg gaggcacttc agtctcangn 180  
aatcaccccc tttttttaaa agagaatgga ggcagctact ggaggccaag cacctccagg 240



382

<400>	860						
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ggtgtttcaa	aagacacacg	caccagtggc	cccggggaga	gctgcattcc	aggttcctgt		120
cctacgtagg	cccctacggg	tagctgggga	caccagtctc	ctccactcac	ttggcaggag		180
tcaggactgt	ccacctcttc	aactggcaca	aggcccaagc	agcatggggg	ccctgagtga		240
aatggagggt	cccacactgc	ttccaggaca	ggactgtcgg	gggctctcct	caccctgac		300
tggccacag	cagcaggctg	ctcctggcgt	ttggcagcag	tcgtgatggg	gctgcagcag		360
ctggtgagtg	gagtcgtcgg	gcagtgtgta	taagaaagag	ccctcgtccg			410

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<220>
<221> misc feature
<223> n=a,t,q or c
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caaccagcgg	tgagggggccc	atgggngttn	gcctngaagg	tggaattgagg	gcctcggttt		120
tttgttgagt	gatgacagct	ccatgttcct	tccagttggc	cctgcagccc	ctctatcccc		180
cagcttttagc	cgctactccc	agtggggcag	gaggagcttc	catttgccat	ctggagaccc		240
tggcagggac	ttgcccatcc	gatccanaca	ccagcagggg	acctcggggc	ctgccctgg		300
qqatqanqqq	gcant						315

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<220>
<221> misc feature
<223> n=a,t,g or c
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<400>	862						
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ggaaaaagct	caagataaat	aatttccttc	ttgtgaattc	aaacacatgc	acacacacac		120
atcctcctct	gtgtgtgtta	cttcctcctc	acattctgtc	ctacggtaca	aatagttaca		180
caaaagtcta	caaaacgcga	gtagcagacc	ccagctgtgt	taagctcagg	ctgatttctca		240
gtctagatca	ccagcttctc	cacgctaagt	gtacttgtgg	tttcatcctc	ttcatttgac		300
ccaaaatatc	ctgggagggtc	cagcatcctc	tgctcagcct	cagtgaggcc	aaacgacgta		360
ttgtcataga	aggcaaactc	agggtgagtg	gggaagcttg	acacttgtct	tttctacacn		420
gqttggtctc	ttttg						434

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<220>
<221> misc feature
<223> n=a,t,q or c
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<400>	863							
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gtatcagaaa	tgcttctttc	ctgggaaaag	gaatataaat	gacagcaaga	cacatttttag			120
ttgctactaa	agaacagcat	tattttcaat	cattttaagt	cgtcatttta	aanangcaag			180
qgtntaaaaa	cqqgttttaa	qgtgggagcc	tgcaaaaagg	taattaatta	aaaaagtgtt			240

tcctccccgg	gaaacagcac	tgtttggctct	gnatcaaagt	ccgaagctgg	gaatctgatt	300
ctgggggtgcc	gtctcttcgc	tactgggagt	tgctgaccag	caggctgccc	attcacgaaa	360
agaggttggc	aaggccaggc	ccccaggtng	cgctggggat	ttctgggctg	ggc	413

<210> 864  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400>	864	tttttttttt	tttttttttt	tttgactag	aataagta	ttattagtaa	gcacaatgac	60
		atcttttagg	agaggttaga	cagggtccca	aataagcagt	tctgtctttt	cagtgttgga	120
		gccatcagac	tcattgggac	taggtttaaa	ctggacattt	tgagaatgat	gaaaatcctc	180
		cagggtctgcc	aggaaaaaca	tttactact	tcatagtaga	tgatacctga	caccacctgc	240
		taaagagcta	agatgacatt	ccctaagtgc	ctag			274

<210> 865  
 <211> 501  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc.feature  
 <223> n=a,t,g or c

<400>	865	tttctctctc	tttggtacag	aatatagaat	cctgacctcc	caagaaagtt	aatttactca	60
		gtcagtaaat	ctggagatct	ctgcatgtag	cattttttatt	ttacatattt	atttattagg	120
		ccccttctgg	ttccaaacag	gattttggcac	actgtnttg	attttccgct	tccttccaac	180
		tctgcaggaa	acaacaaaag	ccccactaag	acctcaaaag	gagaaatcct	cttgaccagg	240
		tttcacgaat	ttttcgacac	tgctggtttat	tgaaggccat	cttgtggcaa	ccccagtgtc	300
		catgggggag	gagcataccc	agagaagagt	gtaaaaacaa	ctccatctgt	tacaggacag	360
		gggtcccaat	ccagactcca	agagagggtt	cttggatctc	gcgcaagaaa	agaattcagg	420
		acaaatctgc	agtgc aaagt	gaaagccagt	ttctaagaaa	gtaaaggant	ggagaacagc	480
		tctccatgac	agggcggccc	g				501

<210> 866  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc.feature  
 <223> n=a,t,g or c

<400>	866	ntttttaagg	agctttctgc	atccacttta	tttagccaga	gaggggaagg	gttgacataa	60
		acgaaaaagt	ggatcaaata	gtcaagaaca	tgatgggcgc	ggcaatgaac	tgaaccactt	120
		ttgctaagt	acagaaaaat	attctaatat	taaggattat	tttacaactc	natggaagta	180
		atgcngtgat	gcatcttgca	tctgttttgt	cttgatgaca	aaacgcactc	ttagagtcac	240
		aagatcctgc	cttgtgttag	ttataaacia	aaatatattt	atatatata		289

<210> 867  
 <211> 512  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc.feature  
 <223> n=a,t,g or c

<400>	867	tttaaaagta	tcaaataatt	ttattatgaa	agataagcca	tttattgacc	attcactttt	60
		ctaaaaaaac	acaaatgtga	gaataaaata	aacataccta	agactnactg	gcccctccag	120
		gacaggaagc	agccctggac	angagagcct	gcaaacggag	ttnccttatg	nnnaatgtct	180
		gaactttctca	tacattctag	gattttcatgt	ttcgttacaa	aggaaaggaa	actggctaga	240







<400> 875  
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aaaaggaggg ctagtgatac atttggttaat ggcactttta aaangtgctt tggatatag 120  
aggnaacaat gtacttcnna ggnatgttaa taataaatta aggttataat ggttgccata 180  
tcngagngaa tgnataagat tagtctcagc aaaaacaaaa attagtttgg aagtagata 239

<210> 876  
<211> 407  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 876  
ttgtgcaaag gaatgcatgg gtagcactat cttatgacct gggctgtctg acggctggct 60  
ggcaaagtca agtatctcct ggcagaagtg cttgcgctcc tcttcagtga ggtgggtggc 120  
actggctaag aggctgctgg tctgcaggta gttttnaatt tgtccaaggt gcttttaaca 180  
ttcggccagc tgcttccttg tgtgtgtnat ggggagtgcc cagccctcag ccaggtagtt 240  
tttcagtgtc ccttgaagat agatttctgc cttttgtgga gcctttttcc tcatgtaaaa 300  
ctctgccaga tcttttccaa caaacttagc agatcgaatc ctcccaatgc ttgtatacat 360  
ttcaatggtg gcatgggaca aatctaagta gtgtttttca aaagctt 407

<210> 877  
<211> 384  
<212> DNA  
<213> Homo sapiens

<400> 877  
tttttttttt gtactcttta aatgtacttt taatgtattt taaagaaatt ttaaatgaga 60  
tatttaataa tacaagtatt tgagagcaat aaaaaagaa agtccatata aggaagatga 120  
acttagagag agctaccaga gcaggtaaat ttccagcatt cttccatcat tgttgagaga 180  
tgggtatcaa agccagtggg gttctgttct ccttggcagg tagatcccca aggtggggta 240  
gctcaatgca attagctggg aagatcaccc gactcactct tccagggatg actccgtgca 300  
cattaggaaa cctgacattg gtttgccctc caatgtcgct ctttgctgtg ggggcaatgc 360  
cctgggcaca catattatca gaac 384

<210> 878  
<211> 223  
<212> DNA  
<213> Homo sapiens

<400> 878  
atgggtcaat gttaattttt taatatactt gcaaatacat tataataaaa taatacaacc 60  
aatcaaaaa gcagccactt aaaaactgaa attcacaaaa tgagctgttc ttggctacat 120  
acagaaggcc aacattttaa ctgaatgata attaaacgtt tactaccata ggtaatat 180  
acgcacttct gggccaata gaaggtgttg aatcaatgtg atc 223

<210> 879  
<211> 541  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 879  
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gaaacagata tctgaaagca caaggtgctg atgtagccac tagatgaatc tggtcggtag 120  
cagttgagcc cgggtgaatta aggagtttac agctgttatt tatgtggctc atgatgctta 180  
ttgagcaatc tgcaaaaata gatttctctg ctcacacagg acagggtaga tttccagcaa 240  
gcataatcaa aatctccaag tcttttgggc aaattagagc tgccaccatg cagcaggttt 300  
tacttaaagg tgtttactga tgaataaact cacacttctg tgaactggtt cttgcttctt 360







<211> 182  
 <212> DNA  
 <213> Homo sapiens

<400> 893  
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 aaaatcaata ctcttctct ttttcttggg ttccattggc atggaataac tctttccaac 120  
 tctttacttt cagcctatgt gtgtctttat agtttaagtg tgtttcttgt aggcaacaga 180  
 tc 182

<210> 894  
 <211> 481  
 <212> DNA  
 <213> Homo sapiens

<400> 894  
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 aatagtggga ggaaccacag caatggaatc aaacaatcag ttcaaactct ggctctgccc 120  
 tagtagctgt tctctgtaaa ttggagttaa taaatcccta tgagaagtgg ctggtatata 180  
 acgggtgctc aataaatggt agtactcttc ctcatgagca tctcagagga taagaggtgg 240  
 acaactgcag cctagattga aaacctgagt tatggagaaa gagttaaaat gacttaatac 300  
 tgtttatata gggccataaa aacaccatct gctagctcta gctagttaag ttattacaaa 360  
 gctgacatgc actaatgctg cactgatagg aaaggaatgg ccaaggtttt gctgtttcta 420  
 tcattattcg acgagctgcc atgtcgggac cagtcgccag tttaacccat cacataacct 480  
 g 481

<210> 895  
 <211> 335  
 <212> DNA  
 <213> Homo sapiens

<400> 895  
 tttaggagta cacaatataa atgcttttatt gctagcacag aggtttcttt ttaagtaaat 60  
 taaaagaaat aaatcttcat tttcacattt tttgttgcag tccaaaggta actagttggt 120  
 tagtggctat gtccacttgg acacatgcta caggagggca gcattcacat ggaagcactc 180  
 agaaatacgg catctgtcag ggctcacggc actgggctgc tgaatgcact gtcgtttgta 240  
 aataacagca agtggagact ttaaaacatc atggatagat aagagttata aatagaaaac 300  
 tggtagcggtt aagaagcaga agatcgttaa ataca 335

<210> 896  
 <211> 406  
 <212> DNA  
 <213> Homo sapiens

<400> 896  
 aatctgaagc ccctgatttt atttttccag catcactcta aggaagagtg tggattagtg 60  
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 tggcattctt acttttcat taaaaaaact ggctacaggc tgcgcactgg aggtacttca 180  
 gtcattgtcc ttctctaaag gattcttaga tccttaaaat atatagtatg ttttaagttt 240  
 gtatctaaat agcacttact gtaatgtatt atacctaaat gtttattaaa agttagaaga 300  
 aatgagtacc aacaggccgg aatggaagtg aggagagggg ctaagacatt gctgatctga 360  
 gggacagacc tctatgcaat agaagagggc tgggagaagg ggtgat 406

<210> 897  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 897  
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 atatgattgg atcttgaat gaggggattc aggaggcttg atctgactgg atcacgccag 180  
 ggctcaatct gattggatca aggatcatgc cacgtggtgt ccacttctta actcagtcac 240  
 tgttctcag tctgagcact taggt 265

[illegible][illegible][illegible][illegible][illegible]



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agaagttgat	gatatacctt	tctacttgcc	atggcattaa	caaagcaagg	ctgagactca	420
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gaaataatac	ataatacaaa	atatacattt	atggaatttc	tttaaaagtg	tggtatcacat	240
aaactgcaaa	gtgggtgagt	tgctacggag	aattttgtta	cacattgtat	ttaagaaaaa	300
tatttctgca	attatattat	tcttaacatt	tatagagttt	aaaaaatgaa	tatataatgc	360
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 <211> 189  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

[illegible]

<210> 908

<211> 441  
<212> DNA

<212>	DNA
<213>	Hom

123 222

<400> 908

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**0000999900 00009900**

<210> 909

<211> 398  
<212> DNA

<212>	DNA
<213>	Hom

123 200

<210> 910

<211> 389  
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<212>	DNA
<213>	Hom

222

<220>  
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<221> misc feature
<223> n=a,t,q or c

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continued

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ttycacttgt

<210> 911

$\langle 211 \rangle$       231  
 $\langle 212 \rangle$       DNA

$\langle 212 \rangle$	DNA
$\langle 213 \rangle$	Hom

42107 Home Dep-012



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 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

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	catttttccc	gatttaattt	caactattca	tcaccccccc	atcttttgct	tgagtatttt	180
	aaagcaaatt	cagacatcat	atcattttcac	ttatgtatat	ctnagtaa	gtctctacca	240
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<210> 916  
 <211> 295  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

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	atcagttccc	tggaccagct	cctttttatc	tggtagacaa	ttattcttag	cctatgggg	240
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<210> 917  
 <211> 592  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 917	ctttcaagat	gagctgtatt	tattactgga	acggaagttg	tcatatccgt	gatcattagc	60
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	aattgggtta	atgcaggaat	tcagtgaagc	catgttgata	ccaatatagt	ccaataccaa	240
	cagaaagctc	aaaagttcac	atctattggg	atcattctga	ttataaagag	tgagcttcag	300
	aatcctgctg	aggtgaagg	gaagccagca	gagggcaaag	accaggacca	ggcaaaagac	360
	cggnttttgg	gccacttncc	ggctctggct	ttaggggtgt	ccattttaaag	caatctgcat	420
	gccacttttc	cttctcaaca	tttcacaggt	cnttagtgta	taaaaaatgc	ngtgatggcc	480
	atgnaaagcc	ggaattgnac	tggacagcca	ccatcttttg	ccggcctggg	aactggctgn	540
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<210> 918  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

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ctaagtgttg	ggattacagg	catgagccac	ggcgctggc	tatcacgcaa	ttcttaagtg	300
cttattccag	tagcagaaga	gattagaaag	gctggctttt	tccaacagtg	ggagcttgaa	360
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<210> 919  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

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cacctcagtc	aaacgtcaca	cccaaacatt	cagcttttct	cagaccaa	taa	180
cagaaaaaaa	aaagacccaa	acgctaaaga	tattttttaa	atattttaa	aacacaataa	240
agtaaaaaa	acctcagacc	cctcagacta	gacattccca	ctgaaaattc	tttgtggtcc	300
ctgaatttga	ttttctatgc	aaaggcattg	atttccaaag	aagtgtgata	aaaatgtggt	360
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 <211> 267  
 <212> DNA  
 <213> Homo sapiens

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tatataacac	aaaagtgcta	taatgacatg	ggaaatgttc	atgaactgtg	agggtgaaaag	180
atacagaaaa	tgactatgcc	tactgatact	acctttgaaa	aaggatccat	aaaaaatata	240
ttgaatataa	gttggctaaa	gaaaata				267

<210> 921  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<400> 921						
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acatttaatt	atattttatc	tacaaaacat	tcatgtcgtc	attcaacaaa	tgacacagat	180
gtgtatgtac	tactgaaaaa	gaaaaaggcc	attgaataag	ggctgttaaa	tgaaagaggt	240
aatttgcaga	aaaatgtggt	acaatatggc	cacacacgtg	gatccttccc	cataatggct	300
tgtgtgtttg	tgtgcatcta	tccactaaaa	gaatgcatgt	agttcactta	atagaggaaa	360
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<210> 922  
 <211> 228  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
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caaacacaac	ctctcgga	tgttcatatc	gtgaccattc	gacctccaga	atacactggg	180
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<210> 923

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<211> 466
<212> DNA
<213> Homo sapiens

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gagagagaaa ttgtcaggaa agcagtagaa catttcctgc ccatgggtgc agtcttgagt    240
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acaagacata atcttatcgg agtgtgtcct tggttcttca gacagtttca gataacaggc    360
tgatggaatg ataaaaatga ggggagttgc acagagcaca ccattgagtt ctagaactat    420
cccagggcaa tcaatcagca atgacaccag cgtgggctac agtgat                    466

<210> 924
<211> 431
<212> DNA
<213> Homo sapiens

<400> 924
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ataaagggttg cagtacaatc atcttacaag gatcccagag tatgtacttt ataagagcat    180
ttaacaatta agattgccct tttgcttttc aagagaagta attacagcaa ctaggctaag    240
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tccaaaaggt gtgagctgct tgtaataggg caggaggcgg gagtaggagt cagtcttgac    360
caagacaaac actattcatt tggttgtgtc tacaatagag aaaaacactt aacaacttta    420
ctccctaagg c                                     431

<210> 925
<211> 492
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

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ggtaacatta aacgtctcta gcaatgatct ttatcgggtt ctcttgacct gactgaaata    180
ttattaatac ttcttatatc cattaacata aaataacttt ttgttgagca aaaatagtgt    240
gaaaacatta agatgaatgt gcgcttttga aatgttttaa tagatatgaa atgattaaat    300
aaaatcacag tcttgtgcaa catccatagc ttacagttat ttggcaacta tgaaaccaca    360
gttactaatg ggaatttaag acttttttaa aaattgccaa atngtactta tttggatatat    420
gaaagagggg attcagctat taactcagta nttaataaac cattgatatg naatttttac    480
ctggaaatgg gc                                     492

<210> 926
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

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tgctggggct tccaaaatgt ggcgtatccc actgatggct ccaacttgcg agtgggctca    240
gttatgaaaa actcgggaga ggacgggttg tcgctgctcg agccgttttc tcggaagccg    300

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316

<210> 931  
<211> 324  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
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<212> DNA  
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<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

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gtagatgtag gtncggggcg tgggcaggcc 330

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<211> 383  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

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gatcagtctg gcttctcaaa gaagagaaaa gactgacag gaaaagcagt cagggtggcg 180  
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tgtggatcca	gctgaatcct	cagccctggg	nctagactan	ggttgagggg	aagagccgtt			300
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<220>
<221> misc feature
<223> n=a,t,q or c
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<220>
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<223> n=a,t,g or c
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gtgggcagca	gntcagcctc	cccccgntgg	gatgcgaaag	tttnttggtg	tcagcttcat		240
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<210> 952
<211> 1056
<212> DNA
<213> Homo sapiens
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<210> 953
<211> 1050
<212> DNA
<213> Homo sapiens
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<210> 954
<211> 1230
<212> DNA
<213> Homo sapiens
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<400>	954						
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<210> 955
<211> 2269
<212> DNA
<213> Homo sapiens
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<210> 956
<211> 640
<212> DNA
<213> Homo sapiens
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<210> 957  
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 <212> DNA  
 <213> Homo sapiens

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<210> 958  
 <211> 1031  
 <212> DNA  
 <213> Homo sapiens

<400> 958  
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<210> 959  
 <211> 2689  
 <212> DNA  
 <213> Homo sapiens

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<210> 960  
 <211> 2875  
 <212> DNA  
 <213> Homo sapiens

<400> 960  
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<210> 961  
 <211> 2542  
 <212> DNA  
 <213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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 <213> Homo sapiens

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<212> DNA
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 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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 <212> DNA  
 <213> Homo sapiens

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<212> DNA
<213> Homo sapiens
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 <212> DNA  
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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens
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<212> DNA
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<212> DNA
<213> Homo sapiens
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<212> DNA
<213> Homo sapiens
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<210> 994  
 <211> 1340  
 <212> DNA  
 <213> Homo sapiens

<400> 994						
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ccaccgccat	cctctcaggg	atcacctcct	ccctgactgg	gaactcgctt	ggccgcaatg	420
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acttcatcct	ggccccacgc	agcagtgacc	tcacagaccg	cgtgaagggtg	tggaccagcg	780
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cagggtcctt caccaccag ccgctggagg aagccttctc tgccagcgat ctgcgagcac 3060  
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cccgaaaa 3128

<210> 997  
<211> 1158  
<212> DNA  
<213> Homo sapiens

<400> 997  
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tcaaaacacc gcaccagcca gcagaatgga cattctgaca tcgccagccg acgccttgaa 660  
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<210> 998  
<211> 975  
<212> DNA  
<213> Homo sapiens

<400> 998  
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tacgtctggt gctagattat cgtccaaaag tgttaatgcc caagtgactg acatcaactc 120  
caagggattg gaattgagga agactgttac tacagttgag actcagaact tggaaggcct 180

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gcatcatgat ggccaattct gccataagcc ctgtcctcca ggtgaaagga aagctagggg 240
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```

```

<210> 999
<211> 1443
<212> DNA
<213> Homo sapiens

```

```

<400> 999
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ccacaccatc acatgcgtgt gccagcaata cctccaaacc tgacaggcat tccaggagga 360
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cccgaccccc tcatcggaac tggaatcccc cggcatgctc gccagatcaa caccctcaac 480
cacggggagg tgggtgtgcgc ggtgaccatc agcaacccca cgagacacgt gtacacgggt 540
gggaagggcg cggtaagggt ctgggacatc agccaccag gcaataagag tctgtctcc 600
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gga 1443

```

```

<210> 1000
<211> 1309
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

<400>	1000						
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gatttcttcca	aaatcagagt	cagactgctc	cgggtgccat	gaacgggagac	gacgccttttg		120
caaggagacc	cacggttgg	gctcaaatac	cagagaagat	ccaaaaggcc	ttcgatgata		180
ttgccaaata	cttctctaag	gaagagtggg	aaaagatgaa	agcctcggag	aaaatcttct		240
atgtgtatat	gaagagaaag	tatgaggcta	tgactaaact	aggtttcaag	gccaccctcc		300
cacctttcat	gtgtaataaa	cgggccgaag	acttccaggg	gaatgatttg	gataatgacc		360
ctaaccgtgg	gaatcaggtt	gaacgtcctc	agatgacttt	cggcaggctc	cagggaatct		420
ccccgaagat	catgcccaag	aagccagcag	aggaaggaaa	tgattcggag	gaagtgccag		480
aagcatctgg	cccacaaaat	gatgggaaag	agctgtgcc	cccgggaaaa	ccaactacct		540
ctgagaagat	tcacgagaga	tctggacca	aaagggggga	acatgcctgg	accacagac		600
tgcgtagag	aaaacagctg	gtgatttatg	aagagatcag	cgacctgag	gaagatgacg		660
agtaactccc	ctcagggata	cgacacatgc	ccatgatgag	aagcagaacg	tggtgacctt		720
tcacgaacat	gggcatggct	gcggaccctt	cgtcatcagg	tgcatagcaa	gtgaaagcaa		780
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agcgttttacg	ttgtattttc	ttacactgtg	tcattctgtt	agatactaac	atttttcattg		900
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cacgacacaa	accacaccac	acacacacac	acacacacac	acacacacac	acacacacca		1140
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ccctcactct	gtttcctgg	cagcatgtac	tcccctcatc	cgattcccct	gtagcagtca		1260
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```
<210> 1001
<211> 567
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,q or c
```

<400>	1001						
agagaagacc	gtggatcacc	tggggacaga	ggtgaaaggc	ctgctgggct	gctggaggag		60
ctggcctgga	acctgcccc	gggacccttc	agccccgctc	ccgaccttct	cggagatggc		120
ttctgagccc	tggagctgga	gcccagcagt	tggaggtggt	gcacctgcca	ggcagcgcca		180
cagaaccagc	cctgtcctct	cgacttcctt	ccttagcttc	atgtgaaata	aaagctattc		240
tgggtctctc	tgtgtctgct	gacagagtaa	cccgtttaac	tacagcctcc	tctcactcca		300
cttcctatgcc	tggaggaagc	ctgcaacccc	ctccaggctc	agacctgggg	acacccccan		360
tcctgtcatt	tataggggaa	gatggagcag	gggttgattc	acacagatgg	ggggccctct		420
gaattggcct	gcttctcaga	atgttggcca	taggtnaaaa	gcaaggggat	cgggggttcag		480
gaccancaga	atgtttagtg	aatctgnatg	aatgagaccc	caggatttat	gtgtccatta		540
agtggttqtt	gtgntttaaa	aaaaaaaa					567

```
<210> 1002
<211> 299
<212> DNA
<213> Homo sapiens
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<400> 1002							
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taagtgttta	atttgctacg	attacgatct	ttgtgcatct	tgttatgaaa	gtggtgcaca		120
acaacaaggc	atacaactga	ccaccaatg	cagtgcata	taacaagggt	agattttgat		180
ttatactatg	gtggggaagc	tttctctgta	gagcagccac	agtcttttac	ttgtccctat		240
tgtgaaaaat	gggctatcga	gacatctctc	agacctgtta	cttctaaaca	tgcagaaca		299

<210> 1003  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1003  
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 ggggaatgtc cagcatcaac ccctatggca tgcattccag tggccttctc atctgggcct 120  
 ggaacctttg ttcagggcctt aggggagaac aggccacatg gcaacagcca cacagtcatt 180  
 gccttcacac agagccacgt gtcccaaaca gcatagtcac gccttgtcag ctggatctaa 240  
 ttgtcatagt cgtgctcctc ctgtagact 269

<210> 1004  
 <211> 263  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1004  
 gttcagtgt catcacgtatc tgctcatttt gacaaagtgc ctcatgcaac cgggccctct 60  
 ctctgcggca gagtccttag tggaggggtt tacctggaac attagtagtt accacagaat 120  
 acggaagagc aggtgactgt gctgtgcagc tctctaaatg ggagttctca ggtaggaggc 180  
 aacaccttca gaaagagctc aaaataaatt ggaaatgtga atcgcagctg tgggtgtgac 240  
 caccgcctgt gtagagtccc agg 263

<210> 1005  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1005  
 ataaaccca aggcagccat gtcataagact agtgtttact cttgttttga ctttgtttta 60  
 atgcttccta agacccaagt gcctcctgct gtttcctcct ttgtggtagc ctctggccat 120  
 ctggacctca atgcccagct tccccacttt cagcagtcct ttgctctctt tgcttctacc 180  
 tcaaatagcc ccaggagtgg gcttttagtct ccaatatgga gcatctcaag cttctcctgg 240  
 ggatgggatt ggatggcaga tctgttttga ctccggtatt ccagtgggta agcagactgg 300  
 acttcc 306

<210> 1006  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1006  
 gttcttttga atacttaatg acagaacaaa tacttggcaa actcctttgc tctgctgtca 60  
 tctgtgttac cttgtcaat ccattggagct ggttcactgt aactagcagg ccacaggaag 120  
 caaagccttg gtgcctgtga gctcatctcc caggatgggtg actaagtagc ttagctagtg 180  
 atcagctcat cttttaccat aaaagtcac c attgctgttt agcttgactg ttttcctcaa 240  
 gaacatcgat ctgaaggatt cataaggagc ttatctgaac agatttatct aagaaaaaaa 300  
 aaaaacgaca taaaataagt gaaacaacta ggaccaaat acagataaac tagttagctt 360  
 cacagcctct atggctacat ggttcttctg gccgatggta tgacacctaa gttagaacac 420  
 agc 423

<210> 1007  
 <211> 103  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1007  
 cagctcacgc gggacctggc cggcctcccg agtctcttca agcagctgcc cagcccggcc 60  
 ttctgcccgg ccgccgggac agcagactgc cggtaacgcg cgg 103

<210> 1008  
 <211> 288  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1008  
 gtttcaagaa cacatgaaat tcttttaaca ccagattagt gtgttaccac aaatgaacgg 60

ttctagccct	ctattaagaa	ataaagggac	cataagcatt	ttggctgctt	atggctgtgt	120
gttactactt	acaagagtct	tgaaaattat	acagaacttt	gccttctttt	tttaatgtct	180
tccacaatgt	tgtgactgat	tataaccctg	tttccctca	gagaagagct	atggctcagg	240
gatctgtgtt	gactctggca	tttagtggct	ttgtgaagga	aagaaacc		288

```
<210> 1009
<211> 182
<212> DNA
<213> Homo sapiens
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```
<400>      1009
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catttccaac ccagttgcgt tgggagaggg tgggaggcca gcagagcatg ggtgacagtg     120
ggagcacacg acttccttgg agcctggggc tttgcggggtc ccaggtggtc aggcagctgg     180
ag                                           182
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```
<210> 1010
<211> 320
<212> DNA
<213> Homo sapiens
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<400>	1010							
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ttaaagttca	ttaacttcaa	tgtaatcatg	cctcctatta	ctgaagtcag	attggaacca			120
ctaaagatcc	aaactttctg	tctggttaata	gaaagtaaaa	atctagacat	catttacatt			180
tgagaaagct	gtttttaaca	ttatttttaa	atgccaaata	tgttctttct	agaaaaatat			240
ttattttttgt	ttttgttggg	tagcttttaa	ttacatttca	gagaggtgta	attttgggggt			300
agatgctcat	tacattttttg							320

```
<210> 1011
<211> 421
<212> DNA
<213> Homo sapiens
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<400>	1011						
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aagaacttgc	acagaaaaac	acgcattgaa	tgtgtgtcga	acctctacat	tgtgaagttg		120
cactatgtac	catactctaa	aatgaaataa	gaactcttta	tgtctgtgag	agagtgtgtg		180
tgtgtgtgtg	cgtgcgtgtg	tgcttgtggg	ggttgggtag	tgtgtgtgta	ttttctctgg		240
ctttaaaatt	ttaaaacaaa	caaacaaaaa	agccatagag	agcagaactt	gccgagggtc		300
atttattgcc	caagtttaca	agagttagcg	tacaagtttt	tgcaaattga	atttgcctca		360
gatatatctg	tcctaattgct	tatatttgca	caagtatgta	aaatatcgtg	ttgaggatca		420
t							421

```
<210> 1012
<211> 463
<212> DNA
<213> Homo sapiens
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<400> 1012		
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atgggtgataa	ccatgcactg	gttcaagggtt ctggagttct ccatgaaact tgggttaatt 180
ttgctcagag	tatccggagt	tagccactag ctgcgggtga aatgggatgg agtagaacia 240
cagcaggctt	cctggagcca	catgggctga ctagggcact ctgtggctgg ctgcacggct 300
caccatgaag	aggagaaacg	atcccttgcc tgccctccc tgtggcaggg ctaactgcct 360
ggccctctctg	gctcgcagca	gccagcccc tggcagcagg ttctcctcag ggcttgggtc 420
ttcaacctgt	ggcgacagga	ggcagggcag actgtggagg aca 463

```
<210> 1013
<211> 348
<212> DNA
<213> Homo sapiens
```

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1013  
 gcaagtgtgg accccaggta gcctcttggga gatgaccgtt gcgttgagga caaatgggga 60  
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 gtgggtggga ttccaagggtg aggcccaact gaatcgtggg gtgagcttta tagccagtag 180  
 aggtggaggg accctggcat gtgcaacaga agaggccctc tgggtgatga agtgaccatc 240  
 acatttgga agtgatcaac cactgttcct tctatggggc tcttgctcta gtgtctatgg 300  
 tgagaacaca ggccccgccg cttcccttgt agagccatag aaatattc 348

<210> 1014  
 <211> 532  
 <212> DNA  
 <213> Homo sapiens

<400> 1014  
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<213> Homo sapiens
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<211> 212
<212> DNA
<213> Homo sapiens
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<221> misc feature  
 <223> n=a,t,g or c

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<210> 1023  
 <211> 3705  
 <212> DNA  
 <213> Homo sapiens

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<210> 1024
<211> 383
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<212> DNA
<213> Homo sapiens

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<400> 1025

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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

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	tgcacctaaa	aggctcaaag	tgtgagaacc	tggttcctgg	atttgtttga	aattntttca	300
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<210> 1027  
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 <213> Homo sapiens

<400> 1027	ggggcatggc	taacacctcc	ctgggcctct	tcttctacc	ttgattgagg	gtgtgatgcc	60
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	tgaccctatc	attatttcac	caagccaata	ccagccgcc	tccttctcca	gaattcttgt	180
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<210> 1028  
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<220>  
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 <223> n=a,t,g or c

<400> 1028	nggcttcaac	aaacaggccc	cttctttcca	taccaccaca	gtcacctgac	caaataaacg	60
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	tttcttgtat	caggaattgt	tattatggca	gcctttcatt	tggggctggg	ttttcatcat	300
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<210> 1029  
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 <212> DNA  
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<220>  
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 <223> n=a,t,g or c

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<220>  
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 <223> n=a,t,g or c

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<210> 1034  
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 <213> Homo sapiens

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 <211> 265  
 <212> DNA  
 <213> Homo sapiens

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	taacctcctg	gggagcagct	ctggacactc	agtaccaga	cctgggctca	gcaaggcctg	180
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<210> 1040  
 <211> 403  
 <212> DNA



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 gcttaaagct acaagtccta gagctgaaga actggcaagc cagtgcgtga agcttatcga 240  
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<210> 1045  
 <211> 563  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 1045  
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 agcactgtgc gacatttaga actctgatta acaaacaagg tggtcacaaa ttttcttggc 180  
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 acagaacctg gtatcaggtc acgaattcca ctctcacgag tgacatccct tgcagtaaca 420  
 ccattctttca tgtagaactg gtccataact gctgggtcaa gctcactcat cagaatttcc 480  
 cagggttgat ctggctgact gattaccccn ctctctgagg naatccaggc atataagtac 540  
 cacagtcagg attcctacgt ccc 563

<210> 1046  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<400> 1046  
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 ggcatagctt gagactggtg acagtgaac acagaccttc aggagctgct ttgaggactg 120  
 gctgcccag atgctgctg ttaagccagc agccccctca ctccggcccc tgccattctg 180  
 acagatggag ctgccatggt ttccaggaca ctccagcagg catctgggtt ggtccctccc 240  
 acatggacct tgtaaagttg ctattcaggg gaacctggta tcgttttcagg caaaacacag 300  
 aacctatatta gcatttctaa gccccctgcc ccggccgcct ccccggaaca tttgggcttg 360  
 tcgcacattc caggagggag caggagcaca gctgcagcca cagctgccag gaacaggcct 420  
 gggctccccg ctgtgtgggg ggaagg 446

<210> 1047  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<400> 1047  
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 ttattctttt taatcatcaa aatcaatgac tttgggcaag acctgtgaaa tctcagagcc 180  
 tgtttctcca tctggagaac aggcaggtag ggcattgcca gctccctgtg agtgggggcc 240  
 actggtggga ggagatggcc ctggtcgccc atg 273

<210> 1048  
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 <212> DNA  
 <213> Homo sapiens

<400> 1048  
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 gcaagtgatt aacagccaga tgttccccta cgattccaaa catgagtcct cagtgcgaag 180  
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<210> 1067
<211> 308
<212> DNA
<213> Homo sapiens

<400> 1067
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aaaaggaggg ctagtsatac atttstyaaat ggcactttta aaatgtrgct ttggtatata 120
gaggtaacac tgtacttcty aggtatgtya ataataammy mnggttataa tgggtgccat 180
attagagaaa atgaataagc attagtctca gcaaaaacaa aaattagttt ggmagtagat 240
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camwtycc 308

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<210> 1068
<211> 308
<212> DNA
<213> Homo sapiens

<400> 1068
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aaaaggaggg ctägtsatac atttstyaaat ggcactttta aaatgtrgct ttggatatata 120
gaggtaacac tgtacttcty aggtatgtya ataataamnty mmnggttataa tggttgccat 180
attagagaaa atgaataagc attagtctca gcaaaaacaa aaattagttt ggmagtagat 240
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camwtycc 308

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<210> 1069
<211> 304
<212> DNA
<213> Homo sapiens

<400> 1069
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ttgctgmaaa tgggattttc aaattacatt tccaattggc caatgctata ttctatatac 180
agrtttbcta tatagtacag attttcatgg kgaactatta aacaaaacta ccttttgtca 240
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aata 304

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<210> 1070
<211> 325
<212> DNA
<213> Homo sapiens

<400> 1070
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ggrgctaata ccaattctag ccatgggrgt atgttttggm ctttytgaac aattttgrgt 180
aaaatgaatg yactgtctt taaattgtac ttggrgcaaa gacaaagaaa catcagctca 240
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tatcataatg ttaaatatte ttatt 325

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<210> 1071
<211> 212
<212> DNA
<213> Homo sapiens

<400> 1071
ctaacttttta tctttattcg gtggaathtt ccagcatgag ctttttgact accctacagg 60
ttcgatttttg ttgctttaga gattggcagc atatcaatht gtcctgagaa ctgataataa 120
agggaagtga aatcaagcac ttaccctgcc tttcytgtac artgatgagg gtattaagrg 180
ttaaaaaacag qcacatatac aaatathttca tg 212
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$\langle 210 \rangle$	1072
$\langle 211 \rangle$	308





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<220>
<221> misc feature
<223> n=a,t,q or c
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<210> 1083
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<212> DNA
<213> Homo sapiens
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<220>
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<223> n=a,t,q or c
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<212> DNA
<213> Homo sapiens
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<212> DNA
<213> Homo sapiens
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<220>
<221> misc feature
<223> n=a,t,q or c
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438



<211> 332  
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 <213> Homo sapiens  
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 <221> misc feature  
 <223> n=a,t,g or c  
 <400> 1089  
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 cttagatttt aatcttacct ttttttttag tttctcttca ttcaagccga ggtagaaagc 180  
 cagtgggtgga aagctgtggn attgcatagg ctacaaacat tgtattgtca acttgaaagt 240  
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 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c  
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 tttttgccac cctgtntgaa ctcccgagac tntaccag 398

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 <211> 241  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1091  
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 cacaggattt tggaaatgta gtacaaaaag aatgtgaaaa ccacaaattt taaaatactg 180  
 attacacact gatacaatat tttagatata atgggggttaa ataaaatata ttaataaaaa 240  
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<210> 1092  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens  
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 <221> misc feature  
 <223> n=a,t,g or c  
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 aaaaacacaa atgccatcgn agacgggtac agctgagaac gcctgggtcc cacctgaggg 120  
 gcagcaccag ggactccatg gtccaccaac ctccccact ccagagcagc taggggctgg 180  
 aacccccggg tcctgcttgg gcctcaggtc tcctcccatc tgg 223

<210> 1093  
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 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c







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 atctgtcttt gttcatatca gataaaaaata ggccacacag actgccaagt aggtacagtc 360  
 ttggaactgt ctgtgggtgt ggacccaagg ttcacttggg ctctctccat gggacttac 420  
 tggcccaagc caaagctg 438

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 <213> Homo sapiens

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 ccaccagctg ctaccctgga agcttcaggg agatggggag cctggagtag gggggtgctg 180  
 caggaacccc cggcaggcag tggggccagg cttcacaggc acccagggtc 230

<210> 1102  
 <211> 335  
 <212> DNA  
 <213> Homo sapiens

<400> 1102  
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 ggtagctaaa actcaattt agcaacaaat aattgttttc ataggactca taagataacc 180  
 tttaaattgtt agatgctttt agggcattgg ctaattcaga attggctggg attataacag 240  
 aacttaattt ttgcaggcat ttaaagattt tcacgcatta tgtacctgaa ggttttgtct 300  
 ctttaattttc tttgaaccac acctcttctc cttat 335

<210> 1103  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<400> 1103  
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 aacatatgag gaagaggtat atcttacaga attatttggc tatgtcataa ggcagtaatg 120  
 aagatggaat ttttctatc ataaatctga cataagtga agtctataac atggctattc 180  
 tccataaatc tgaaagcttg ttgggttacag caatatgatc atgccacact gtcgtcggtta 240  
 ttgaactttg atgaaagtag actgaatgag aaaggaacaa atttggtgcc tgcacaaccg 300  
 tagaatttgt tctgaaattc taccagtgagg aggcgtatgg cgtgaagaaa cgcagaaagc 360  
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 agtag 425

<210> 1104  
 <211> 440  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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 gtttacaaaa gcaaatcca acctctccag agctagaaag tgggaagggtg cccgggctgc 180  
 aacacagcct tggggggagga tgaggccaca taattctctc tgccacact ctgagaatgc 240  
 cccaagaagt tagtagctac acaaagccaa gccttggggg aaaacctggg ccgtgggtgtg 300  
 gactctccaa aatgcagacc caaccggang ccggggccgc ctttccatct ggaggcactg 360  
 cagggttct gaaagcggcc catcccagga gcctggcaaa cacccccaga gaccctcagg 420  
 atgctgcagcc ccggggcttt 440

**THE** **NEW** **YORK** **PUBLIC** **LIBRARY**

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<210> 1106
<211> 529
<212> DNA
<213> Homo sapiens
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<400>	1106						
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cattacccaa	gctctcgctg	ttccccctca	ccccctgcag	agtccagcag	gtctagatac		180
gtgctctttg	aaatgtgttc	tgggattaaa	aatgggtgcc	tgaggctgtc	taaccctcac		240
aaaagacaga	cacatgcaca	cacgggcctt	ggggagggtc	gtgtattagc	agtcagggtg		300
gccctcctgg	gagagcttgc	tcaagaactc	ttctcggaag	gaaaccacc	ttaaggtagg		360
gttctgatag	gcagantccc	agagggacag	ccagctgcta	gaagatgggg	ttatccaggg		420
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<220>
<221> misc feature
<223> n=a,t,g or c
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<210> 1108
<211> 381
<212> DNA
<213> Homo sapiens
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 acctcctgga caaaaaggat tgggggtttg ccctctcttt ggtactttta ataaatgggg 300  
 gatccataaa ttatgggggc ctcttttttg catgggggct tcctttggac tccaaantta 360  
 tgggttncgg ggggactcc 379

<210> 1113  
 <211> 319  
 <212> DNA  
 <213> Homo sapiens

<400> 1113  
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 cccttagaat tttctcctct ccactccatg aggagtgggc atgtgcttta ttatatcaac 120  
 aagactaaga agccgcaccc gagtgggtccc actcaaaaaa gagatttctg tttctacctc 180  
 aaaatgcaga aaccactaca gattaaaaga gaaacacaca cagacacttt gagaaactcg 240  
 cccttctca tcttcaaagt gtgggggtat gcattccaga tctctcagcc tgatgggaca 300  
 gcttgggaag tgggaagg 319

<210> 1114  
 <211> 334  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1114  
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 aaaagaaata acagcagttt tagaggaaga nggaaaaaat aataagaaaa ttacatgcag 120  
 ttgcaaaatg tgtgactatt tacaaactct aacatataac tacaaaacgg accagaagaa 180  
 tcattatcat aggaagcaaa gggtcatttc aaaantcaga ggagggatga ttcataattta 240  
 atttaattct gtgggaaaac atttaagtaa cttttgagga caaaantagg tgatatgttg 300  
 aaatgcggga aaccacagtg ggaagggaaa aaga 334

<210> 1115  
 <211> 496  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1115  
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 gaaaaatcca taaacataca cagcagcgag ctgttttcac aagacttcct gctaataaac 180  
 acaacacttt ctctccact cagatgggag cctcagnatg ccaaacggc aggatgtgcc 240  
 aactaactat agggctcgtt gctaaggcag gaggaaatct attcaagttt gtccaggcaa 300  
 attcgattgt acagtgggga tgggcgtctg cttctgcggg ccttgggaca ggggaggcca 360  
 ctgggtctnt gctggctgtt cccctgtagg gcagggtcga ngctgggtng gccctttagg 420  
 agggcaaggg ttaaaatggg tttntcatgg gggtttagga acataagggg ntttttgagg 480  
 naaaaattgn caaatt 496

<210> 1116  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

<400> 1116  
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ttccccata	aaaaccct	gcagtcata	tcagtagtta	ggggtggggg	ttggttcaac	180
acattctggg	tgctcactca	tgaacatgcc	aaagctatac	tgcaacacta	gcctgaattc	240
aacttagagt	tacctcacca	tcaaaatcag	gtggctggga	cgttcttttg	tctctgaaga	300
ccaaaacttg	aaaatggact	gacttttagt	gggaaatttc	cttctgcgac	agtcattgtc	360
atgggaactt	tcctggggct	ggggagttct	gttcagccaa	attcagtctg	ggcagcaccg	420
gggagcaa	tcaattcatg	ggtttgtcca	aaagagtcct	aantttt		467

<210> 1117  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

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	tctatgcgca	ttaggttaag	acctcttctc	tgtttctaga	atactgtgat	gactcacatc	180
	catgggccag	ctgcttcag	ggaatccatc	tggcctcaac	aacattgggc	tgcttgggaa	240
	taacggctctg	ggcacttgca	caggggcagg	gggatggggg	agcaggcctc	aggtttatta	300
	aggcagggac	tggggcactg	ctggaaatag	ggggaagggg	gggcagccaa	catgttagcc	360
	aggttcttcc	ccaaggg					377

<210> 1118  
 <211> 439  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1118	tttttttttt	tttgtgctta	gccaagattt	attgaactgg	atgaatgaat	caatggcttg	60
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	acttgaggaa	ttccagttgc	tgaggaggat	gtaagcagat	tgtttcagag	atggataagg	180
	aaagagatga	ctgggacagg	gtaggaatca	tggctattca	tgggtactca	ttctatcctc	240
	tcagtcaccc	tcacatcca	ataatcagtc	attaagttat	catcttacct	taacagttca	300
	caccttaaca	cctccaatct	attcctactg	ggcctttgcc	ctaggtgcag	ggcctcctgg	360
	ggtctttttt	tcagtcctcc	taggctaate	ttgttcatct	tccatttcgg	ntctcttcac	420
	aaatgggatt	cactcangg					439

<210> 1119  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

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	aggaagaatc	cgaagaccct	ctggcatggc	aatctgggag	cagcacattg	ttgatggagt	180
	ccaagtgagc	acatttcaca	caattcattt	agtgacaagt	gggcttgctc	ccttttcac	240
	caggaaaaaa	actactcaca	gaccactgcc	cagaatctgg	aataagaacc	ctcattttta	300
	ggtattcttc	ccaacaaata	aatatctaaa	tattgaaagg	gggcatatca	ggaaaactta	360
	aaaggacaca	tttaaccaa	accaaacc	tttttcaaaa	caagtaaggc	atgtctgtat	420
	ttagtt						426

<210> 1120  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

[illegible]

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<210> 1121
<211> 399
<212> DNA
<213> Homo sapiens

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gctgaacccc ctgcatggac cggggctaac agtaccctct acgactccca caggtctctc 180
tttgtgtcca gatggatggc gactgtgagt cagcaacgcc agccaaggac ttctctgcct 240
ttaccgtggg cattggggca gtttttcagg ctctctacag agaggaggaa gtggggccag 300
taaggggaga ggggctagag agaggacacc agtttacata ggggttgact ttcacttgtg 360
tgtagtagca gtttcaqqa ttttaaaaaa aaatttttc 399
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<210> 1123
<211> 444
<212> DNA
<213> Homo sapiens

<220>
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<223> n=a,t,g or c

<400> 1123
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gccagaatgc atatgagaag cccaccccc gccagccagc gcaatcacc cgcacacaca 180
cgccaggngc cacccttggc gcaatgaaaa gttccccctt tttattttatc gtttaciaaat 240
gaaataatca atacttttaa tctagagcaa aattttattaa ctttcccatc ggagagagac 300
atnttgactg ggggagagag tggggntntgc gtgctgtagn aagatgggat ggctgcgtgg 360
ccatatccta acctgtccgc gaggcagttg cacctgcagg ctgncctttc cagnctacgg 420
gccgggggcca cnggggggcaa gttg 444

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448

<211> 212  
 <212> DNA  
 <213> Homo sapiens

<400> 1124  
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 tattaacttt taaaacaaaa tgatttccag tttaaaaaac aatgcactga ccacataatt 120  
 ccttttttat ttacacagt tatacaata ttctaaatac acattttgtg ttcaagatga 180  
 tggcaaatag ggattaactg tacagtacat ag 212

<210> 1125  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1125  
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 attggataag atcaaaacaa atcctatata tttttgtcct agctgtcagg atgttcagac 180  
 ctaacttagg cattcaacta tattaatact tcccagatgt cagccacatt catttgacctg 240  
 ttatttttta aaattatatt aaaattatgg cggtaaataa aaatgtactc acattctcat 300  
 catgggacga tgggttacgg gtttaggctt gtaggctagg tggaaaggcc aaatttggtg 360  
 ggaaaaggta ttggcctttt atggggnggc ctggtttcta actaggcctt tggccaattt 420  
 tttt 424

<210> 1126  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<400> 1126  
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 ttcttcatct ccgcggggcc tgcccagacc ctgatcctgc agagccgtgg ggctgaggta 180  
 gccgcgggtt gtgggtccagg gagtgcgtct ttctggatgc ggggcacctt catttcaccg 240  
 tagcaaccgg gtaccaaaaag tagaagcggg tttttggaaa atgagtcatt aggtcccaaa 300  
 gagaacctat tgcaacatgg gactccataa cgttcttgag gatcatcctg aggaaactga 360  
 tgttctctcg ttagacaaaa atggcacgat tttgctt 397

<210> 1127  
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 <212> DNA  
 <213> Homo sapiens

<400> 1127  
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 cagataagga aacatttttg cccagtctta agttcatgga agataatagg aagagtaatt 120  
 aactgcagca aaagggttagg acaaaacatg gcattatcag ggcttgaaag gactttattg 180  
 tggctgtggt gaagcaggcc ctgggtcttg gcagatgata ccagaagggc actgagtgca 240  
 ggcgtgcaac ttgaatttga tcccataaag tcagggcatc aggaagccat tcagaatttt 300  
 tcaccctgtc agatgctcag atttgctagg agaactctgg gtagtgggca agaaccagag 360  
 ctgttacttc aggaattggg gacagagggc atttttcccc aaaaaaaaaa aag 413

<210> 1128  
 <211> 340  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1128





<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1132  
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 acagaattct gggacaagaa tgaatgagtt cccacatttt ctggttcatg taaaaatgaa 180  
 ttacagactc aaaattctga aaaagagatt accattatcc aacaatgggt aaaatgctca 240  
 cctgtagcta gtggaacgga tacctgaaag aactaccac aggaagcacc ccagagaggg 300  
 gaggtatttc tccagagaaa acaggggtgc tcatgtcaat caatggacaa caggcatggg 360  
 aactgcaaaa tataataaac gttcattata atgagttctt cttaagcggg cccctgtna 420  
 ttaaagcca gttctgctta tngaaa 446

<210> 1133  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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 ctttctaaaa gagcctgact ttctaaaatt ttgggtggat tttttttaac tttataaaag 180  
 tacttttaac aaattaattg aatattttaca tttctagctt aaattttaaat tttggaaaat 240  
 aagcgtctat tagttttattt ggcttctttt aaaggattcn ggggttttatt tttccagga 300  
 cccaatccg gatggcnc cttattccgga taccngctcc ccacccccca ccaccac 357

<210> 1134  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

<400> 1134  
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 caggcattgc gcttgaactt aaaaaacagg atcagcaggc cctgacttca taaggcccat 180  
 aaatacaaat gactagctcc ctttctcaag gtcattgaaa atatacagta gtttcagaca 240  
 tcacatgggt ttgggcaaag ggggcagatt tccaagctag gtcacttaat ggtatctctt 300  
 gcctcaaaat agtcccatca aactaattt aaattatttc cacttttgtt ttaaagctta 360  
 aggttctact cactggacat taatttgagg ctaacagcaa tgtgttttgc 410

<210> 1135  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<400> 1135  
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 caatatatta tgtacattat aaaacacaca aaaatagaaa tttaaaagga tgagattaaa 120  
 taaaataat catcttaata cttcctcaat ggattgatca tctccacgcc cctgggatgt 180  
 atacaccccc acctgaaaca atagccctaa agtatgtcaa tgattgttat ttgggttttc 240  
 agctcagggt acagaaatat gtacaagatc gcatcttttt aagttttgca aaatagccct 300  
 agcatccaag tttaaatggg atgaggaatg cttgggtgct aacttcttga ggacatattt 360  
 gggactaatc cactacacag ctgggtaaaa tgtcgttatg gggtccacca acagttattt 420  
 tcca 424

<210> 1136  
 <211> 340  
 <212> DNA

<213> Homo sapiens  
 <400> 1136  
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 ctgacagggt atatcaatac agggagctgg agtgggagcc aagggtggtg ttagataggg 180  
 gtggggtaca gatcaagggg gcctgggaga ctcaagtact ggaagtctct gccctcact 240  
 cttgggtgag tagctaattt cagcagctgg cttcataagg aggagtcagg ggtgggtgga 300  
 ggctcctccc aattccagat ccacttcctc ttctccttct 340

<210> 1137  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1137  
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 tatgtccatt ttctacgtta aatctgttaa ccaatactaa ttnaaattac atgatttcct 180  
 actaaaaata tgcagttcat ataagcaagg gcaataaat cctccttaaa acattttatt 240  
 cttttataat tgaggaactt aacagtctta atgggctagg ttcttaaaaa atgtttatag 300  
 ggnttaaggt ttattttaagg ggaggccggn caaacaaaac atattgtaaa actaggtatt 360  
 ttcccgagg ccatttcctt tctcttcctt tcttccggc aaacngggg ttttta 416

<210> 1138  
 <211> 347  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1138  
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 ctatgggtgt agtgtcacgt ctaggcgtgt agtaatccag tcttcggcct tactccaggg 180  
 agaaagattc agctttgtta ctttccagtc actctctccc gtaacacagc accttgggca 240  
 cagaaagcag agcgnccaaa acccaggant gagggacagt taaaattcaa cttcaaggct 300  
 acagccatcc caacgggtcc tnccagctc ccgcgggatt ttttacc 347

<210> 1139  
 <211> 367  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1139  
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 tatggaaatt gcattctttg atgatttagc ttctggtagg gtccttcaga ccagctgaca 180  
 tcagtagttt catcagtatg caggacctga aagantntct cgaagggaaa acttagcatt 240  
 tcataatgtt caagctgtta tctntagagg cagttaaggg gaactataat cttntaacag 300  
 actccacata attctgaagg caatagccna acaactttga gggaggggtc agccagcaaa 360  
 gtgaccc 367

<210> 1140  
 <211> 260  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1140  
tcccacacat attccaaatc ttttagggga gtaaaagcag tgaaaataac aaaattatgt 60  
tccacatgcc caagtcacaa aatgtattaa atatgataaa gtagcggctg tacaaaattg 120  
gacaaattga caaataacaa tgggtcagga aactgtatc tgtttgatac aggagtata 180  
ttgaaaangg gttctgtttt tactttctct tatttgtcat caaaaangaa aattgcatct 240  
tccataaaca ggattccagg 260

<210> 1141

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1141  
ttgtttaatg aaacacagta taagaaacta gaaaatatta cagngaacta tgcatactga 60  
tgctaagttc tgttttatct catatacatg tccattttat atcaciaaac agtaaaaaca 120  
tacaaattga taaatgtata ancacattgc acatnggggt atacatgtgt tatgttgggt 180  
cataatgtat at 192

<210> 1142

<211> 353

<212> DNA

<213> Homo sapiens

<400> 1142  
taaaatgatc ttacaatgtc aacatcaatg ttaataaaaa tatataatag gctgaattca 60  
tcaatgatag aataagttgt aattcacttg gaggttccat ctttcaaagt aagcctttca 120  
tagataaatg aaaatccttt attttgtaga attttaaaga ttgttaaagg ctgggtcaag 180  
gcaaagccac ctctattaga aggggaaaga aaagcaagat gaaacaaaat atgttatcat 240  
acatatcgcg tgtgctatga gcatctttct actcctgcc gattgaaaat tctaggtttc 300  
aacattcttc aggatttaac aagtcaaat aaaagccgga attcaaactc agg 353

<210> 1143

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1143  
ttataaaacca ccatttggag ggcttatgag caatgtaagt ccacctcatc taattaaacc 60  
acattgtttt aaaagcttga acagttttca tgctataag acttgtctga ataataaact 120  
gctagagcca gaattctgag tgtctttgga gagccaggn ttttatctgc tgagcgcaag 180  
gggccagggc actcaaagag ttaaagagtg ttccgcatt gctgggtagg gttaatatca 240  
cagctgctg ggnaaaggca ttatccccgt acctcacttt aacaaaagcc tccttttggc 300  
aaacagactc ccactttccc cgcaagg 328

<210> 1144

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1144  
gctaattaat agctttttat tttctcattg taatattttt gagctccaaa ttattacagg 60

[illegible]

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<220>
<221> misc feature
<223> n=a,t,q or c
```

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<210> 1146
<211> 319
<212> DNA
<213> Homo sapiens
```

```
<210> 1147
<211> 299
<212> DNA
<213> Homo sapiens
```

```
<210> 1148
<211> 362
<212> DNA
<213> Homo sapiens
```

```
<210> 1149
<211> 342
<212> DNA
<213> Homo sapiens
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454

```

attaaaccag agctgtgtga aggcacttaa ttggggagag gtggggcagg gatcctggta 120
gagaccaatg tttcccaccc agaccccaag actgctggga gagatgggtg cagcagtgc 180
tcccaggaat atccagtggg gtgggtggccc atcccaggcc cggctgggag tatggctggc 240
ttgctggggg atgtgatgat ggtggtaggc atgggaggca ctttggacgg gatctgattt 300
ggcaaaagga agtggtttcc tgtccccagt gatttccagc cc 342

```

```

<210> 1150
<211> 415
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1150
tagagacagg gtctcgctct gtctccaaag ctggagtgc gctccatcat ggttcactgc 60
agcctccgnc tcccgggttt gagcgatcct cccatttcag tgtaaccacc attcttatct 120
ctatcaccat agattagctc tgcattgtct tgaacttcac ataaatggaa tcatgcatag 180
ataggctctt ttgtgtctgg attctctctg ttaacactgt gtctgtgaga ctactcatg 240
ctgtgtgtag tattatgctt catccttttt tgttgttgca tagtattcca ctgtataaat 300
ataccacaat ttatttgtct gttttcccaa ttgctgtgca tttggggatt gttttgggtt 360
ttcacctatt ttggaataag gctgcctagg gaccaccctt ggtatagggc ctggg 415

```

```

<210> 1151
<211> 460
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1151
acattcatct tttattcttt tcttatgaat tatggggggt ttcttggtac ccatctttta 60
aaggactcca ctccattttt ctgctctctc aatctgttat ttctgcttc cattgccttc 120
tgaaatgtaa cagttgcact tttcagctga aaatcatctt tttcaatctc agaggatgcc 180
tttttcaggt atacaataaa taccctctcg aatcttaatg ggcacacaaa ttggagattt 240
ttctaaagat ttctgttgat tctgggtagg gaagtttgtc tcaaggggaa acatttgtgt 300
tgattccttt atgaggaact gctgaggtct tttcacaggg cccatgggtt ttctccctt 360
ctcttattct atatttgtcc catccttgag gggttgagga gggggagccc tgtntcccaa 420
tcttccaggg gccaggatg atggggagtg gggagagggg 460

```

```

<210> 1152
<211> 298
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1152
cttcaacaca gcagaaattt atttcccacc caggtaaggg gaccctgagg taggcagtga 60
cttctgtcgg cagcgaacta ggccctctca ccaggctgcc ctaccgtgct cagtgtctgc 120
tcatggtgca aagtggttgc tgagctccag tcatcacttt agcngcnga anggggaagg 180
gnangggnaa aanntttccc cccnctnngg gggatttctt tncnnncccc cagtnaggat 240
tttgngttta ttataaggna agaagagaca gttagcngag gcttccctgt ccaccagg 298

```

```

<210> 1153
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature

```

<223> n=a,t,g or c

<400> 1153  
ttangtatatt tgaatagcat ttgatttatt tttttctctt gtttgagaca gggtctcact 60  
ctgtcatcca ggctgagagc agtgtctcag ccatactca ctgaagcctc gatctctcgg 120  
acttaagtga tcttcccact tcagcgtctg gagtagcatg tgcattgccg cttgttcagc 180  
taactttttt acttttttgt agagatggga tcttgctatg ttgcccaggg ctgggtctca 240  
aactcctagg gctcaaggta atcctcccgc ctcagcctcc cgaagggtgct agggattaca 300  
gggcgtgaac ccaacacatc tgggccagta ttttatttgt ttaacaggca attctggggg 360  
atcttcccca ttatggctgg ggggagnctt cttggtccca tggaattccn ggcattgact 420  
gggggggttc cntggg 436

<210> 1154  
<211> 552  
<212> DNA  
<213> Homo sapiens  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1154  
ttacaattga aacaggtctt tatttacacg gaagcagaga gacagaggga tgagggcagg 60  
caccacaaaa gtgacttcac attcaccaat gtttcagtgg cttctaagac cacagcagan 120  
gnatncntg ggactcacag ggtatgaaaa tgtgttacc tccaaagcct caaaacaaaa 180  
gggttggtatt aaaaacaaat accaagtgtt tctggcatca gttgaaaaag atctgagaaa 240  
gaggaactat tgaatgtcca gaaaaatcaa agttctggga ggctaggaaa tctgacattt 300  
ctctgataga gagatcactg ggtcatcagt tcatcttggg gaaattcttt acagttaagg 360  
tgatgtgttt cttttcattg gttaaatttaa caggagagg catcattatg gggatacatg 420  
cagggtcgt gccgaattct tgggcctcga gggccnaaat ttcctatag gtgagtcgta 480  
tttaattcgt gtaatcctgt ccataggctg ttttcnctg gtggaattgg ttatnccgt 540  
tcacaatttc ct 552

<210> 1155  
<211> 472  
<212> DNA  
<213> Homo sapiens  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1155  
tttattgaca tgatgcaaat atctttattc gtacaaataa cattcaagca tatcattcag 60  
tggtgcaata agttaagata agctcctttc agagatgctg ggaaaggctg gcttttgctc 120  
caaaacattg ctccctaatt ttggctcctt ctatacatt cactaaaag ccttgcccgg 180  
agcaagaagg aagcttacc tggccacccc tcattgcccc tgggtcctgt tcccctttcc 240  
aatgctagca gtaggggcaa gaggggaggt ttattttcaa cgtgaaactt taactatatt 300  
taattccttc taccaaagcc tgcattaagg gctaaatggc atttacaaaa cattacatac 360  
ccgcaaactg ttgaggatag gtgaggcatt gtttttaggc tatttcatct ctttnggtca 420  
aaaaaatata tatagggcct ggaaaccttc acttaggtgg gcggatttta ct 472

<210> 1156  
<211> 495  
<212> DNA  
<213> Homo sapiens  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1156  
gtggagatgg agtatgtatt tattttacaa aaataaatca ccattctcgg accatttgta 60  
gactggaaca tttcgagcaa tgagtgcgcc acacggacga gtgccctggg gactccctga 120

tgttcgcgtc	acccccaggg	ccaccttggc	gcccgcacga	gcctcgnttc	ccactccccg	180
cctccaactc	ccttcctctg	cagccgccat	tcaccttctg	ctgtttatct	gtctgcagan	240
gcctgggaca	ccggaagagg	cgattccctg	agcgccctgg	agttggagac	aattcctggg	300
tcagaattta	aacatctttc	taggtaagcg	ntgctccaaa	actcttcgcc	gcgtgggact	360
tttgaccag	ggcggttgg	ggagganttg	gccctccacg	gttcctgggc	aaccgcggcc	420
tttttgaaag	aggttctggt	caatatttaa	cttcggagga	atttggaatt	ggattccttt	480
aagttcttnc	cctgc					495

<210> 1157  
 <211> 252  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1157						
ttnttttttt	caccaattac	aaaaaggctt	tattatattt	tgccaaatgt	taatcgcttt	60
cattatgtct	ccaaacatta	tttcaccact	cattttttata	acaagtgcag	tgaagatatg	120
cttatcgaat	attgtacaat	actgttgtgt	tctgtaacac	tctttcggga	acagcttaga	180
tgtaggtaac	aagagatgcc	ngcgtatgaa	agngcttcat	aaactgtact	gtataaatgt	240
aaactactac	cc					252

<210> 1158  
 <211> 422  
 <212> DNA  
 <213> Homo sapiens

<400> 1158						
agcaagggtt	taatggaaag	cataaaacac	tggaatatg	gacagaaatc	agattattac	60
cctttttatt	ttttccctgc	ccctttcaca	atgagactgg	aggggattca	agaaccactt	120
gaaataaagg	cgaaatgatt	agattttttt	ctcctaattg	cctaacgctg	atgtcatggg	180
gtacgcaaaa	tcaacattga	tctctaagtg	aaagaggaga	aacagaacaa	catcaacagc	240
ctttcgaggt	aaactgtggg	gccagaatct	atttagggca	acccgcaggg	cccaaatctt	300
ctggaaaagc	ccaacagtgg	gagccagttt	ctggatgctc	ctctgttggg	tgatctggat	360
ctttgagtgg	ggggaaatct	ggttaggaaa	cagcctcctc	gaggggagcc	ctccccctgg	420
gt						422

<210> 1159  
 <211> 397  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1159						
tctttattgg	aaggaaatgt	gttaaagaca	gactcactac	agtgttgaga	cagtagtgag	60
tagcacagta	aggagactgc	ccaggacttg	aggtccttgg	tccctctata	gaagtatcaa	120
gtgtttgtaa	aaggttttagc	acccatgtga	cagaaagaag	ccatcatcct	cttaatttct	180
cttggttttt	acttaatata	tagaagggca	aactagtggg	gcctctgagt	gcaagatgag	240
ggacttcatt	aggaataaag	ncatattgcc	tctggggnnt	ttctaacca	taggctccaa	300
ggagccctca	ggtgtcagga	acataggggt	aagggggact	tggatttact	gaggaggacc	360
ccctaccctt	accaacatcc	tgtggggaca	ataggag			397

<210> 1160  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c





<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1164  
 caatcatcac atctgtgtat tgtctcaggg tcaatttttc agtaagaatt ccagacattt 60  
 ctcttcgttc acattacagt aaactatttt tcaatacatt tcctccttga ctttcaaggc 120  
 ttgaaagtca aagactttcc tttcactaga tctcataagt cataactgct ctcaaccaga 180  
 tgcaggagta attttgtata aaagaacaag ctttttaaag tccaataact gtatctttgg 240  
 gggaagggtta aaagaatggt taaatacaaa aaagaaagta aaaaaaaaaa gagagagaga 300  
 caaataactc tcctcctaga aaaaaagggc ctggggagcc ctgggctagg gcngggccagg 360  
 ggaggggaaag ccataaatag gggggg 385

<210> 1165  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1165  
 ccctccacaa cggaggattc ataagagcag gggccctggt tgttttgttc atgctatatc 60  
 cccagacctg gcaccaatta ggtgacaata catatttgtt gaatgaatga atgagaatgg 120  
 tagtcttttg gttcccaggt ttattgacaa ttactcatct atttttgact ccccgagtcc 180  
 cagctcccaa actcgctctc cctactccag gcttcacggt agtcccagaa tgtaggaagt 240  
 gggacaggat agactttaac atcacccagg cctctggttt ccaaagcatt ttttttcttt 300  
 aatgcagtaa aaccattcct ttaaaaccca aaatctctca tgggaacccc tacgtatcaa 360  
 atatataaag caggagctgc ccttggttcag ggataatatg tggggcttat ggctctaaga 420  
 aacacagttt gacattcact gctctcctta cttcagttac ctcatggtat agataaatgg 480  
 ggctgggcn gaagaggg 498

<210> 1166  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 1166  
 gttttttaac attttaattt caacgtgcc aactttgtcc aaatgagatg atacaggcta 60  
 gaatgcacgg cggaattcca gactggactc actccataag ccaactcatc actgcccggtg 120  
 aacatgaatt ctggtcctca gagaagctga cattgtttcc ctgaacattc ccgtggtctc 180  
 cctctgaaag ccgatgacca tccaacctg actcacctga aatatcctac gagcatcgcc 240  
 ctccgagact gacgattatt aacca 265

<210> 1167  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<400> 1167  
 aatcaaagta aattttatttc tgaattacat aaggatcatg aaacagaaac attaaactctc 60  
 atgttataaa aacagtagta aaatacagta cacaggaatg tcaattgaat gacaacaatg 120  
 aaagtacaat agcaaagtaa aaatagtaac ttttaacttt aaatacaaaag tgaagcaatt 180  
 taatatgaaa ttttgtaaat aagaaaaata tatgtcccat gtctttatta catactgtac 240  
 aaaataaaat attgcacctt tcatataata aatatataca aagagtatgt taaaaatcga 300  
 tctttctttt aatttaataa ccttcaacaa tcagatgtga ttggatgatt aacaactaat 360  
 cgggctgggt gtgtcctcct cactgtcccc catccattcc caatcaccaa accctccaca 420  
 tacagtagtg ctca 434

<210> 1168  
 <211> 405  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1168  
 cttccaccag acattaattt taatgagggtt actcaagatt tcccccttct tcaagcattc 60  
 caggaatcag atggaggaag atagggtaac atcatcttta tcaaataattt gcaaacatta 120  
 tatagatagc tggaaaagcc tgtgcatggt cgaatggaag agatgtcaca taaaaccgaa 180  
 taactgagtc tcataatatt taggtcttga atgaagttag gccttgatct gcttccagcc 240  
 agttgatctc ttaattatgt aggctgtgca acaangtttt tggttctggt ttatagtttt 300  
 cttctctcgc attcctctag atttaatata ttccctgatt tgggtttaca gatcactgct 360  
 tttcctccag aataagccaa tgtggataag ggagacccaa gggaa 405

<210> 1169  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<400> 1169  
 attctatata gatataattt ttattatttc tcaatttaag caccattcaa ttcttctgga 60  
 tccattctgg ctggaaaata tccctaaatc cacaggatgt tatctattta atggcacatg 120  
 ttaactgaaa atgaggtgga tttttttttt aagaaaagac cttaaattaa ttcttatcta 180  
 catcttaatt ggtttgtctt ctgagccagc tcacaatgtc aatgcaattt ctagtgcagg 240  
 tgtctctgag tgccccctga ccacaccccg aggattgtgg cagtgtcctg gccatgtgtc 300  
 ggaaggatcg aagggcagca ggtgcagcct tgctctgcac atgggacagc agctgggctg 360  
 gtccaccgcc acgcaccttc agcagtgtac ctccggcaca agttccacca ttctgcttca 420  
 a 421

<210> 1170  
 <211> 206  
 <212> DNA  
 <213> Homoomo sapiens

<400> 1170  
 atagttgtgt gcaatttaat gaacacaatt aattttacca ccattttaca taaaaggaaa 60  
 ctgaagtgca tttcttaggg tcccactgta agttgagggc ttgagattcc aagaaaagtc 120  
 ttatttcaga gctcagtgtc ttgccccaaa cgcagcctca ctgctcaatc acattcttga 180  
 ggtttgattg gctgaaacgc acgtgg 206

<210> 1171  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1171  
 aaaatcagag actattttata tttaaataact cttcccttaa aaatggcctg accacagcaa 60  
 tgaatctgta aacacagagt aatatttttc ctacagtaaa gagtcacttt aatctcaaaa 120  
 gatacttttc actgttctaa atgacaggnt tttaagcatt ttttcctata tataatacag 180  
 catcacttaa aattttattt aaagacagtt gattcaggcc tgccttggaac tggaaagaag 240  
 tctttaactt agtgggatta gtgcttcagc ttggtcccaa atattt 286

<210> 1172  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

<400> 1172  
 cccgattctt tcctttttatt tgccaatttt tatgagtcag tgccttacia cttccaaagg 60  
 taaacatgag gcttctttcc ttaagcatca tcatgaactc ttagatgttc atttattcaa 120  
 caciaactaa aaaaggaatg ttaagtctta agatatcatt aatactaact tgcattactt 180  
 gtttatgaag gattaatata ctaaatagaa tatatgctca cttttttata tgtagatatt 240



```

tgtcctatct tttttttctt cttaaaaggc aagagtcaca acgtccaatc catcacaaac 240
aatattaaca cagtgcacaa gcgcaacatt aaattcaaag taatgcaagc aaatggccct 300
ttttttggga attacttaat tgacagctta tctactacag gagtattaat taatgtatgg 360
tggatactca aattttaaaa tggaatataa aaaaccana aacacatggg ctatgtcatt 420
agaaccttgg aaaattgggn ttacntgggc c 451

```

```

<210> 1178
<211> 278
<212> DNA
<213> Homo sapiens

```

```

<400> 1178
tttttttttt ttttttttca cattctcaat atgctttatt caacagaaca aaagaaggca 60
aagagagcag agaaagcagt gcaggaatgc agactgcac agaaggtaca tcacttgcca 120
ttcagggaaga ctgcaagaga agatcaggac aactgacttg tcagatgaga actcctgagt 180
gtagctataa tgggcaggat ggtagcaat taaagagagg actcctcatc tgcagctgga 240
cctagactga gtttcagttc ttatggggat ataggtca 278

```

```

<210> 1179
<211> 386
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1179
tttttttttt caggctgttt aattttatta aaagggtcaa atttgatgat aaatgggtggc 60
atgggtactt caagcttcgg atacaagacc tgctcagccg tggacatata atcgacaccc 120
actgccatcc ccaccaggag ctccccaac cctgatgtag tctgagaccg taaataatgt 180
aatgatttct tgtacttttg taaatatgcc aggaacactt gtagctgtct gagagctaca 240
gagaatacta acttgggtggg cttttttttt ttttaagagg aaggatgggt aataagtgga 300
agcaatttca gcaggctgac tgaacccac acagtctcag gganggaaaa ggggcttnc 360
ctctggaaan ccatcattta acntca 386

```

```

<210> 1180
<211> 329
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1180
tttttttggg atgcagcact ttctttattg cccatccagg gaacagccaa gccagctcca 60
tctgcattct ggctgcagcg tgtacattag gggactcagg ggccacagtg tgggaccgtg 120
cacactggca aggcactggc ggatntgggc aggccagttg gacatggata gatgagaatg 180
acaactcaca gatgtcctag cttctgctgg cccagctgcc ancactgnca tcaccctttt 240
gcccagcatg tgtgcattgt caccctaaac atcttgaaac ttgccattag tgaggcattc 300
aacaagaag taagctaagt gtagtaggaa 329

```

```

<210> 1181
<211> 661
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1181
tacaaaagaa agagctttta ttggacttac agttccatgt ggcttggaat atcttacgtg 60
aatggtagta ggcaaaaaga gcttggtgag gaaaactccc ccctaaaata accatcagat 120
ctcattaaac ttactcata tcatgagaac agcacaggaa agacctgcc ccataattca 180

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atcacctccc	accaggtcct	tcccacaaca	cgtgggaatt	caagatgaga	tttgggtagg	240
gacacagcca	aaccatatca	atgcctctat	aaaccaccca	ggaacacttc	tagaaaatgt	300
tgaacacctc	cgaggcccca	cagaaccctc	ctctaccac	atcttcatgg	caaggagcta	360
ccatggatcc	ccctccgagt	gtgccagac	cagttacagg	actggttaca	gtggaaggca	420
actgagaggc	atagagcaag	agctgcctc	ccactaaagt	cacacaccac	agaaagaact	480
cattcttcat	aagaagactg	gagctactga	aaaagggaca	gacactagct	gccaaaacct	540
ggctgaagtc	cacaacatca	catnccctca	tctcagantc	acacaggggtg	ctctctacan	600
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c						661

<210> 1182  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1182						
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agtccactat	ggagctacta	ccaggttggt	ttaatttgca	tgggtcccag	acgagtctca	180
agggcccagg	agggtcaccc	acgtgtcgt	ctcttcgcc	cccgcagctt	cagccgcctg	240
gtggcaggct	gacgggctgc	ttcccaaact	tctccatgat	ctctcggatc	ctggccatgt	300
tggttttgct	aagtgtgaag	tcacaccttg	tggcccccat	gtcatagcca	accatacagt	360
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caggaaggcg	n					431

<210> 1183  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1183						
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gataccttag	aggtcaccgg	gctgacctc	ccatctgatg	tgttaacccc	tcttaaacad	180
ctccctccag	gagactgagg	tgagattctg	tttaacatac	ggctatcact	gaaactctgg	240
ccagctctga	atctgcaccc	tggaggcgga	gaatgtttaa	gcactataag	gcagtagaag	300
gaaagttcct	tggctcaggc	cccaatggtc	cccccttttt	taatngatga	aaggttccca	360
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ctgg						424

<210> 1184  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1184						
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cagctgctag	ctccctctgt	cctgagcccc	atgggtacggg	tccaaatngg	gcaggaantg	180
ttagtaggag	gtaangcngg	aaaaaggtng	cangctnccg	gcttttcccn	ntaaanaaac	240
ccnccattg	ntgnttntn	ggnttctgcc	anaactnttg	ggcaagggca	ccancttnan	300

aaanccaagc anaagggtn gctttgaagac anaaagggga cccaaggggt ttggaagggc 360  
acacaggccc acccaaggaa atttggcctt tttntttttt ttttttttta aaagnataaa 420  
antgtttttn ggaaaaaaaaa gggaaaaaaaaa atttattata aaaaatntcc t 471

<210> 1185  
<211> 447  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1185  
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gtatggaagc ttggttttaa ctggtgtag agatcagatg gagaggaagt gcagcgggtgc 180  
tcacctggcc gctcggttct tcagggagac agcgtctgtg gtgccgctgt cggctcanca 240  
gcctcaccat cccccagggt gcatgctgtc gtggccaggc gcaaactacg gcgggacatc 300  
cgtggagaat caaatacagg gtccaatttg tgctccgtct caaaatccag agcatctgaa 360  
gaatagctgg aactggagcg catacgtgta gcccggtgtc tccggcacac actggggagg 420  
actgtacatg tgaagccgag aaaaata 447

<210> 1186  
<211> 246  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1186  
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cagagagcca cagtcctaag tagactcctc ggtgcgctct gccacactgt ccatgtgcat 180  
tcagatttct cattaaattt tccacagcat gaccagtggg gatgacctgg gtggccggtg 240  
tntcca 246

<210> 1187  
<211> 387  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1187  
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aacagtcctg agggggagat aaggcagtta tcttcatagt acaggaaagg aaaaaagcga 120  
gggtccaagg ccgactatac cctcagctcc attagcccc gaggcctccc tgacaggcgg 180  
ggcggacaat cccagtgcag atgctctgta tcgatcgcat gctatcggtt ctttcaagga 240  
acgtgtattg atcatcaatt aagtggtag tactcctcta gatgtcgatt cttagcaaac 300  
tgcggaaact cctacagaca aaaactcagg tgtgggcgca gaagggccgg ggatgcgctt 360  
cggtaagac tttgaaggtn cggggct 387

<210> 1188  
<211> 563  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1188

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tttttggaag acatctattg catttatttt ctaaaagaaa aggcattgcct gaagggtcgc      60
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atgcaaactg taatgactat ctgctcctat taaacaagca agacatcagt gagcggagac      180
atcacaagcg gttacttcat ttctttctgt tgcttccagt tgctagcata gttgcaactc      240
gcataaatat atttaaatgta tccatgtaga ttgtcaacat cgaattgatg ggatcatact      300
tttgagctcc atacatgggt gttatttctg cacgtttgat tactttctga gtatcataca      360
gaaggaacat gctgaaaaga actaatccac catacattgc cactgagtac agagtggcac      420
cagcccagga ggtaggggga agaaacatag accccngaga agacgccaag accagaccca      480
ggccacttcc caggggtgct cccatgttca gaacttctca ctangcgcac acatnggccn      540
cagtagagag gcctcccncc ata                                              563

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<210> 1189
<211> 403
<212> DNA
<213> Homo sapiens

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<400> 1189
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ttgtattttt ttagtagaga cagggtttca ctgtgttagc caggatgggc tcaatctccc      180
aaccttgtga tccaccaccc tcggcctccc aaagtgcctg gattacaggc gtgacacttg      240
tgcctggact aaaacaatgc tttctaaagc gcattctgca gcctgatgtg cctgtgaggt      300
gagaggtgtg ggagggacag aagctttgtt caaagagggt tgggagaggc tggatactta      360
gctcccttct tgtaagtttg ccacacacat tggcatatta aaa                      403

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```

<210> 1190
<211> 323
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 1190
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caggcctaatt ttgctttggc ccctgaaatg caggcccatg gtcatttcca tgtcctctga      120
agtaggtatg taaactagta gacttccatt tttaaggttc acacactttt taacattggt      180
tttatttgat gtaaaacaag acttatgttg tccctaattg aaagaccaag taagagaggt      240
atgtgctgtc tcatggaagg gataactgga ttctttgccg gaaccgggtt gggaaatttag      300
tttgttcaat gtggcatctt tca                                              323

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```

<210> 1191
<211> 587
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 1191
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gcttctaagt cttccagcca aaaaggaagg taattttaaa tcttgacca ctgaggctgt      120
gtgtcgccgt ggaaactcca cagccaggct gcccaaagcc aaaggagcca ctactgcagt      180
tggtggctca gaatcctctg ctgccacctc tgctcctcaa gtggatgctc caaatccaga      240
agtggatttc atgcttccca tgttgaaaac ctaattcatt cataacctga gtaactggga      300
aagaataatt cttcagaatg gggcaatttg taaacttcaa aaaactgcag aactctactt      360
gcttatgttg tcctaaatgt ctaccataaa ttttaaatct ctaaaaaatt atagcaaggg      420
ttcacttcaa agtcttcatt gctgacataa cgtggctata ggtcctgctg ctctgggtgc      480
cctttccata tcacagaagc actagccgga aaaagctctg ggtttcantg attttactgg      540

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taatgggatg ggatctgtga caaatt

446

<210> 1196  
<211> 296  
<212> DNA  
<213> Homo sapiens

<400> 1196  
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attttcttaag tggcccagta aaactgtaga gccaatagtc agttacacca tattcaagga 120  
caaggatagt cagctataga taggaactgt ctaaaccacg agaactgatc tctgatactg 180  
aagtaccag aagtggctat attatcactg acttgaaaca gatcttagtc acccatgtag 240  
catttaattc aatgtttgggt tctttgctc atttctttct taggtcacia tctata 296

<210> 1197  
<211> 397  
<212> DNA  
<213> Homo sapiens

<400> 1197  
aaggttgaaa ttaggaattt cttttttatt ggccactaaa gtcctagcaa gtttctgaca 60  
gaagcacaga cagaaaatgg aaacaaatac cttactggga atgtttcctt gcttgacta 120  
accttgacta cagcaataac gcattgctta acagtcaaag tgcaccaggt catttccgca 180  
aatggcaggg tgagtgactg tgccgttccc aaggaagcaa aacagacaca aacaggtccc 240  
acgcgctggg tgtcctggct gactacagag gaggtgcta gaccggcagt acccttttcc 300  
caagtgagga aagccagctg tgacactctg cttgccggca ggggttcccc accctcccct 360  
ccaccatctg gcccatagct gtaccaccaa ttacatt 397

<210> 1198  
<211> 621  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

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tagctgggat tacaggcatg cgcaaccatg cccagctaat ttttgtaatt ttagtagaga 180  
tgggttttctg cttagtagag atgggggtgtt tgccaggctg gtcccgaact cctgacctca 240  
ggtgatccgc ccacctcggc ctcccaaagt gctgggggtta caggcttaag ccaccaagcc 300  
cggccgacct tcttctattt ttccattctc ctttccaaag ccattggccat gcgctcctgt 360  
gtacagggtgc ataaacacat cagtgtgcca tccctcacat gcattgctgt cccacacctt 420  
ccttcccagg gcttctcttg gctccagcgt tccctctggga cctctctgag atacagcctg 480  
tgctggaccc ccagccaggg tgaaggctca ttctgctctg tcttcccaa tgcctcagtt 540  
tccccaaaag ctgnttcagt ccttctagta aggggctcca tggggcaang atcccttang 600  
attaatcttc cnettgggga g 621

<210> 1199  
<211> 440  
<212> DNA  
<213> Homo sapiens

<400> 1199  
ttttctaaaa aaattttttt aatcagttta aaagttcgag gaaaaagaaa atcaatcaga 60  
aaagcaacta taccaaaaca gggttatcca agtgagcttc tctcacttcc ttagatggac 120  
ttcagcttat aggatgacac gagatgcgag taagaagcta tttgcgcatt tcagctgcgt 180  
gacttggtgc tgcgttgctt tcctttcttt cttctgtgga ctgagaatgc tagtgctttt 240  
gaatttgtct ttacaggacc tgagggtctt ttgatggtaa gagaatgaat gatcattgct 300  
gccttgagtt ctgtgtgac cgtcaggcct cgcctccagg atggcaattg tagcctgaga 360  
tgacgtagcc caagttgcac agcagagttg ctgttctgga aacactgtgc cgagtgaaca 420

ccgaccttca cagtgc tagt

440

<210> 1200  
<211> 381  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1200  
gccaatcggt ttgcttctat tcgttatctc agcttatggt tgaagataaa tccttacttt 60  
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ttctcattct aaagcactat cattagtata aaggaaggac aaaacattca gtgactcccc 180  
tcgcgnaccc ccatcccaa ccccaacact acctacacta aatctagtac atcaagttag 240  
cttttttttt tttcctgaaa aaaggcaaaa aagactttac attgcatcat acagcagata 300  
tcctaaatca gtcaaactat cagaggaaac tgttggcgta cagctttaca aacaatttac 360  
cctaataaaa gttccccagt c 381

<210> 1201  
<211> 471  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1201  
ttttttgtaa gtaaaaccag tgagtctctt aaagacgctt ttccgactgt ccggtgcaga 60  
gagggccccg gatcggtccc tcattcctcc tcgtcttctt cttcttcctc atcgctcctc 120  
tcgtcggtct tgcctcggtc anagttggcg gcggcagagg gcacggcgcc ctcggtgagct 180  
gcggcggtcag tcggaccttc gtccttatgc tctttcttcc acttcatgcg gcggttcttg 240  
aaccagatct taatctggcg ctcggtgagg cagagcgccg tgggcgattt caatgcggcg 300  
gccngtaciaa gggtaagcgg ttgaagtggg actccttctc cagcttccaa cgtncctggg 360  
tancccggtg taaggttttg gcgggccccg gtttctgtgt caaaggtccc tnaagaacgg 420  
aatccagggt gtaaaatgcg gnaaaattgg cttaaanggg ggcaatnaag g 471

<210> 1202  
<211> 447  
<212> DNA  
<213> Homo sapiens

<400> 1202  
tatggtagta acagtttcat tcagttttgc attttaciaa tttaaaciaa agtctttctt 60  
tttttttttt ctttacttgc atgtttgtct tttgagtgtg ttttcaattt gtgcattcct 120  
tagaaaatct ttgtgtggac tttggagttt ctccctgaaa tgtgccaggc gcctgagtca 180  
gacacaaaca ctcccttagg accttcgtca gaaactccac cctgtgtgtg aatctccttc 240  
ctctctctct ctccggagat gccacccgaa ttgcaatgtg actgtgtgtt tctgctgaga 300  
ggtccattgt catccccaga tgaaagaaga gaccaaagca gttaccactg atggaagcca 360  
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ggtccttttg ccagtcagga accagca 447

<210> 1203  
<211> 472  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1203  
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aagcttaatt tcaacatcac tggaagaaat acctatcggt aaaccctgat nngcattctt	180
aaccacttgc agccagtgtt catgaggcaa aacgtgaccc agagactttg ttcaagttct	240
cctcctaggg cgtctacatt cacggcggtc actccggttc tgtctccttt tgtttggcac	300
ctgctgggtg gaggatcagg gcttgcagaa tgtccgacag ggaaataata cccacaatac	360
tatctgcttc atttaccacc accaagccga tggaccctca gctcttacta ttctgggtcca	420
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<210> 1204  
 <211> 334  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1204 acattatttta cgtttagttt attgcagaga tgaagacagc atactagaag ttggcttcta	60
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gtctgtacac gcaatgatgt ctgatgtttc ttggtttcca tagtgtaaca ggaaacttga	180
catttcaatt aaaaaggtaa aatgaagaca ttaccatca gactataaaa ctctcttct	240
gtaagagaat actatagtag ttgaagatat gatttgaaaa aaaatcatgt accaaatgan	300
aggggcacca tttcaagagc actaggacta catt	334

<210> 1205  
 <211> 531  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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atgacagggt aacgagaggg cacgaaactc cagtgcgacg tgctccattt tgaaagcaga	180
taaagctccc ctcatcagag tgaagaggaa agtagccctg ctggaataag gggagagcgt	240
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agcactgctc ccatccctgg cccctttcct ttctcactta ctagggttt ttgcttcatg	360
caaactctgt ggctggactt tgagggatcc agaatttagg atatagggcg ggtccttcac	420
gaggggaagt accgtggctc agccaaaaat cacaagatct cctcaagatt ccagaatgta	480
ttccaaagct gttgtacccc ttntccctcc accggctccc ctttgcaagc t	531

<210> 1206  
 <211> 381  
 <212> DNA  
 <213> Homo sapiens

<400> 1206 ctgaattaaa gagatgaatt tattggtaaa tagataaaat taacacctat tttaatatat	60
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tacagccagc tagatcgcca atttacaat gagttaagta agtaccataa gtttgtttga	180
atatcagggt cttcagagtt tttctcaaac agttacaaaa gagattaggt tcccaatcag	240
ttcacaaaag ctaatttaga gaatgtagct taactacagt actgaggttg tcacacactt	300
aactttcggg ctcttgctta ttattcata tctgaggttc actgtttcta ctaggatata	360
ttccgcccac acccacacct c	381

<210> 1207  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 1207

[illegible]

$\langle 211 \rangle$	346
$\langle 212 \rangle$	DNA

<212>	DNA
<213>	Homo

<213> HOMO

<400> 1208  
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<210> 1209

$\langle 211 \rangle$  403  
 $\langle 212 \rangle$  DNA

<212>	DNA
<213>	Homo

1000 1000

<400> 1209  
attatagaa

 $\langle \underline{210} \rangle$      $\underline{1210}$ 

$\langle 2\bar{1}1 \rangle$	296
$\langle 212 \rangle$	DNA

<212>	DNA
<213>	Homo

100 1010

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<400> 1210
gtttttataaa
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<210> 1211

<211> 348  
<212> DNA

<212>	DNA
<213>	Homo

100	1011
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<400> 1211
tttttttaggt
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<210> 1212

$\langle 211 \rangle$	504
$\langle 212 \rangle$	DNA

<212>	DNA
<213>	Homo

100 1010



gggggccagg	ctggggcccta	gcactcccgg	cagtggaaag	gcagagctgg	ctgccagctc	180
tggcctccgc	ctgggattca	ctcccatacct	ggctcagatc	tgtggctgtg	cttcacccag	240
tgggtcctcc	ctcaaggagc	caggcgggat	ctggaagggt	ctgcttatcc	ccaccacaga	300
acgcagactg	ttgctgtagt	aacagaggag	aaactcatct	tcagtggtag	ggatattgct	360
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<210> 1217  
 <211> 249  
 <212> DNA  
 <213> Homo sapiens

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	ataagtggg	tcagaaggac	cagaggggtg	gtggggccga	gggagggcag	tgaggttggt	120
	gcagcagcac	aggtggacag	gccaagggtg	gccaggaaga	cgagggcagg	agcgtgggca	180
	gccgcatgtc	actcaaggcg	ggcactcctt	gtgctaggag	gggatggtgt	ccaaggcaga	240
	ggagcgctc						249

<210> 1218  
 <211> 218  
 <212> DNA  
 <213> Homo sapiens

<400> 1218	ttaaagggtg	agacacgtct	aaccagttta	atgacttcga	aaccgtgcaa	atgccaaact	60
	atggagcact	agggatacaa	gaggcaccaa	ggcctggggg	gtgggggtgg	gggacactac	120
	aacattgtca	tggggaaaac	gggatcacct	aatattggtg	ggggaaaagg	gcggtccact	180
	ggcagctcag	aactatgaca	tattcctcag	gggagcct			218

<210> 1219  
 <211> 347  
 <212> DNA  
 <213> Homo sapiens

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	acacctctga	catcccagag	gatcgcaaca	ttcctgccaa	gggttattac	tcccatttcc	300
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	gagggcactt	ggcttgccca	aagtcacaca	gcagggagtg	gcagaggaag	tcaggttggg	240
	tgaccccagt	aactgctctc	agaggctggg	tgatgaccgg	cttcttggt	tctctggaat	300
	aaacctttgc	caccacttcc	tgcatttcag	cttcagtaca	ggcagagaat	ggggataggt	360
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	tacactgcat	tttaggcaat	tttctaacat	taagtgacaa	gttatacttt	tgattttttt	180

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 <211> 337  
 <212> DNA  
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tctgctgcc tgggctgtcc cacaggcagc tctctagaac ttgagagcct caaaaggggc	180
ctcatgaagc ccagatcttc cctgggtcaag ctgatggcat tegtataact gaaagttggg	240
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ttccaacaat acctatcagt tttaaaagca aacatttttca attaaaacta aagaaaattg	360
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<210> 1225  
 <211> 291  
 <212> DNA  
 <213> Homo sapiens

<400> 1225	
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gactacttga gttcagacgg gattacgttt ttcttgcttt tgacttatat tatttcacac	180
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<210> 1226  
 <211> 452  
 <212> DNA  
 <213> Homo sapiens

<400> 1226	
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<210> 1231

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$\langle 212 \rangle$	DNA

<212>	DNA
<213>	Homo

100 1331

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<210> 1232

<211> 306  
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<212>	DNA
<213>	Homo

100- 1232

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agggttagcag gctgacatca gctllcatatt cllcatygcctt aaatccccctt cygcttatata 180

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<210> 1233

$\langle 211 \rangle$	589
$\langle 212 \rangle$	DNA

<212>	DNA
<213>	Homo

1233

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tcgaattagc agaaaaaagg atgaaccaac tgtacacata atccaaaagc ccaggggtag 360

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tggcaagatg atcgcattag ctcaggctac atctagcagc tcacaggaac tcattccaag 540

tgctagaagc ggctgcatca ctgacaatac tgtgccgggg gaactcttt 589

 $\langle \underline{2} \underline{1} \underline{0} \rangle$      $\underline{1} \underline{2} \underline{3} \underline{4}$ 

$\langle 211 \rangle$	408
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<212>	DNA
<213>	Homo

<400> 1234

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atggtggtg	ttttttttt	tttttttttt	tttttttttt	tttttttttt	tttttttttt	248

aggactactg caatttatta gcggtatctg taaacatggg gaataaatct gaaacctcac 240

tagccatacg agaagccaca ggcaccaaga ctggcggctc cactgccaaa gccagcactg 300

qtgctcggtc caccaccaaa gccagcacca gtgtttggtc caccgccgaa gccagctcct 360

gtgctcggtc caccgctgaa gccactgggtg cttgggtccac tgcagaag 408

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<211> 439  
<212> DNA  
<213> Homo sapiens

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gaatttctga aaagataaag gatcatttga tttttaaaaa tgtcagcttc atcacatgat 180  
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gaattagctt gtttatttc 439

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<212> DNA  
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<210> 1237  
<211> 293  
<212> DNA  
<213> Homo sapiens

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aaagctatth tatgcttaac tgttgctctg tcaaaacagc tatgcagtgg agttgcattt 180  
gatgttctag agtttgatta catgcagagt tgtatatagc caaaacttct cttatcaaac 240  
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<210> 1238  
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<212> DNA  
<213> Homo sapiens

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vgacagggtta ttatagtcca cataggtaag tatgcagtgc ttctcatgga aaaaatgctt 120  
aggatattggc cttttctctg gaaaccatat tyyccctttt ttaataatca actaagatgt 180  
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<210> 1239  
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<212> DNA  
<213> Homo sapiens

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agaacacagg ccataactat agggcaggtg gggcaggaac ggggttaaaaa cgggatccaa 180  
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<211> 294  
<212> DNA  
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<220>  
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<223> n=a,t,g or c

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tnttttcaaa gccttttcctt ccggtgttcaa tactttccac atttgtgcgt ttgaatggat      180
ccatgtgttt agaccattat tttactaaac acaaaatcat ttggcacaaa aaaaaaaaaa      240
aaaaaacctn ttaccatact tntctggtca tacaganttt taggcaccnc agta      294

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<210> 1241
<211> 468
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<213> Homo sapiens

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<220>
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<223> n=a,t,g or c

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ctaacggaga gccagagca gcaaccaaca cagagggacc tggtcattga cttgtgggtt      180
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<210> 1242
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<220>
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tacagctgga atatctagtt gtggcctttc tatgtagctg cttggattcc tcacagcatg      240
atggctggat tccatggggg gcatctcttg aagggggttag tggcaaagtt tggaagagca      300
tgcaggacca gaaatggtgt tattgggtct cactggaatt tatggtctct gatcattcct      360

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gcttatttca ctgggcgtgg tctacgttgc cacatgtgtc gctttgggat gaatgcattt	360
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tgaggagaaa ctgaggccag ccctgnggaa ganctagccc agcngggtaa ggaggggtggg	180
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tcagtccctc ctg	253

<210> 1249  
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ttaatgaaga aacaatttat cctgtgtttg ataccagatg agactgtaag gggtcacatac	120
tccttaagcc tacacatcaa ttccagggtga agtgcttcag gcttgggtca ttngacacc	180
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ctcgatgctg gtttcacact gtggtgacat ctcaccaccc tccatccagg ggcatttttg	360
aatgcgagca ctggagttgt aggccagcag cagcctcact tccacctggg catgcctctg	420
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 <213> Homo sapiens

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aacaaatgca aaataaaaaa agctgttgat acatcacctt gaaaaattaa cacaactaaa	180
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<210> 1251  
 <211> 144  
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<210> 1252  
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<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

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ttgtttggca ttaccaagtg tccgggcaag gccgcagcct gcagctcacc agccgtgctg      240
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actactgcct caagccaggc ggggcgca caaacttaaa atgctaactc ccacagcggt      420
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<210> 1253

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

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gagagcacag ctgtcctggc atcaggcaca gcagctgcac ttgtctgacg tccctttgca      180
gatgcagccc tgggcacact tggcacagcc cacaggngang canggagcag cagctcttct      240
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caggcgangc aggagcagtt ggggtccatt tgcaggcaag gagaagcagg agttcccgat      360
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<210> 1254

<211> 423

<212> DNA

<213> Homo sapiens

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<223> n=a,t,g or c

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agcaggggtc ctgaacagtg gtgggctcag gggattggag ttttttccct tatgtttttc      180
tgtattttcc acaatccacg cttttcattg ccattccatc agatgatgtt aaggaggaac      240
acagatccag tcacctgagg ggatacttcc tactgccac cttctcaggg tttagaccaa      300
catgtgggtt ctagtttccc ccagncccaa agctnttccc tngcaaggaa gagatcagtc      360
ttttgagcaa attttggctc aagactaaag acacagaagg cgaggctcct gcatgcacag      420
cac      423
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<210> 1255

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1255

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gttaaaggac agattttttc ccccttcagg gagncaaagc attaacatgt catttctga      180
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ccaggatatt aaatagttta tttagaagaa atgagttgaa gtgagcgatt aagagacaca 240  
aactggactt ttgttttctt ttactgtagc acccagggtt catgtcagtc tgtgtgcacc 300  
gaattttttt tttaagttaa cctcattaat taccagctag gtggttggct tgtttaaaag 360  
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acagtgcgat gccgggggtgt gtgtttgagg ca 452

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<211> 289  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

<400> 1256  
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tgctcacttc catctgccag tttggnagct tcttggctga nagatggcgc cgggcagctc 180  
tgggtcaaatg gtcactctc atgaaccgcc ggtcacacat ggggcacgca aatttcttct 240  
caccctgtgt ggttcgcctg tgtctggaca gttcancaga acgggcaaa 289

<210> 1257  
<211> 111  
<212> DNA  
<213> Homo sapiens

<400> 1257  
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tgctgctgtg tgcccttcca cctgcagctc aggggagggc ttctctggcc t 111

<210> 1258  
<211> 399  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

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tcttccacga atcttgcttg cagaggttaa gntctgtctt tggctgttag aaaagttcct 240  
gaaggcaaaa ttctcataca ctctctaaaa tatttntgcg aagagtaaaa cgttcagcaa 300  
acacattnat ttggaagtgc cagtagttaa tgccctggga ntttttttgc aaggtgaggt 360  
tttgtctaaa ggccccanca gggcacaatt atctccng 399

<210> 1259  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1259  
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agtaactgga cacgaacgat atgcttctca aactcacaca catattcgtc catcacacac 180  
acactcaaat gataaagaan tacattgaaa tctctacaa aagagatctg aggacagtan 240  
tcagatgacc tcatgtgcgg acagcctntt gcagtttaca gtctaateca tttggtectc 300  
acantagccc tgtgaggata agcagcacag ggattactnt tcacaccgtt ttgcaggatg 360  
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tgg

423

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<211> 440  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

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actctgctac ctcttagctc tggagggtaa aaagcaaggg ccagagcaaa tacattgggg 180  
agagggggag aaaaaaaaaa tcaggctatt ttaatagccc tcacatgcca agtgcttttg 240  
attcatcatg tttagttttc ataagcttgt gaggtagata atattatccc cattttatag 300  
atgaggggaat ttaggctcca atggggntaa ataacttgta caagnacaca tactggaatg 360  
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<210> 1261  
<211> 211  
<212> DNA  
<213> Homo sapiens

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cggagggggac tcaccatgaa tatctggggg tgattcccag atgtgtgttg cttctctatt 180  
gcaagcagat tcccttgctc ggatttactt c 211

<210> 1262  
<211> 341  
<212> DNA  
<213> Homo sapiens

<400> 1262  
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cagtaacatg gccccatat ctctagtatt tcaatgaaat aaactcattg tgaattcacc 180  
ccgagttgtg ttataaata ttagacaaac caaaaatat attccaaata cataacattt 240  
tacaatattt ttcaagcaca gacaaatata tactttactt tacctacatt gttttcatga 300  
tccaacttgc attagcacta aaggcaatat tgtgtgtgta t 341

<210> 1263  
<211> 342  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

<400> 1263  
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gggaccaggg gctgtctcct ttatgtcaaa tgggccagcg tgacacagac tgccccggga 180  
aagcctcgga acttctcgga ttgggacaga gtgctggggc agggaggaaa tgtctcctct 240  
tgcttattcc cttggccaac tcaagggaag acgcttctcg gggcctccaa aaccctngtg 300  
ggtngattcc atgtaactca agggcccagg gctcactggg ca 342

<210> 1264  
<211> 510  
<212> DNA  
<213> Homo sapiens



<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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 caaatcccc tttgtgcaaa gggggagctt cctgctcccn ttggcacatt aataacttac 180  
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 gataatgggt tgctaggaaa gagctaattg aagcccaaag gaaataaaat gttttcttta 300  
 tcagaaaaga ataataacaa ggcctcactc tccaaaggaa aacagacgtc ccaagatggt 360  
 gtggaacagt aattaagtaa ccaaatacaa ttccaatggn ttatttcacc ttcatttntt 420  
 atacttacnc tcatctcttt taattaaata agcgaaacca ggaaagtgca nttcgaaggg 480  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

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 tggatggaca ggactccctc gggggacagc gcggacgtca cggcagccgg atccacgcc 180  
 ggcggcaggc ggtacgacgg tggaaactcg gcgcgacgaa tccgtgctca tccgggctgt 240  
 cctcgtggcg cgcgtgcacc tccacgtggt cgcgccacc cttgacagca atttcctccg 300  
 gcgagaagtg cttcacgtct aagcagcacc gaaaagtngc cgggggtccgt cggnacctgg 360  
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<210> 1266  
 <211> 586  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

<400> 1266  
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 cccccgccct ggacagtttt ggaaattggt cccagggttc aactagagag acacggctag 180  
 cccaatgtgg gggaagcaga ccctgagtc aggagacatg gggtcagggg ctggagagat 240  
 gaacattctc aacatctctg ggaaggaatg agggctctgaa aggagtgtca gggctgtccc 300  
 tgcagcagggt ggggatgccg gtgtgctgag tcttgggatg actcaggagt tggcctggat 360  
 ggtttcctgg atccacttg tgaacttgca gaggttcgtg tagacacccg gtctgttggg 420  
 ccgggcacaa gggtaatctc cccaggacac gagtccctgc agggagccat tgcagaccac 480  
 agggccccca gaatcacctt ggcaagagtc tctactgctt tgtcaccggc gcagaacatg 540  
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<210> 1267  
 <211> 363  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1267  
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caaaagcacc atcaaaacct taaacc

386

<210> 1271  
<211> 403  
<212> DNA  
<213> Homo sapiens

<400> 1271  
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tttaagcaaa taaaactgtt tggatgcttt cccaggacga ttggattgcc ctccaggcgt 180  
atctcttcaa tgcggtcccg gatgtaactg gtgtcattag ccttgcagaa tgtgtcatct 240  
gtaattgaag ctatgttggt gaactgaaga tgaattacac gtagactttc tggtaaatta 300  
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ttttgaatgc atttgctttg attcccctac tcttgatttt gtt 403

<210> 1272  
<211> 410  
<212> DNA  
<213> Homo sapiens

<400> 1272  
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cctacgtagg cccctacggg tagctgggga caccagtctc ctccactcac ttggcaggag 180  
tcaggactgt ccacctcttc aactggcaca aggcccaagc agcatggggg ccctgagtga 240  
aatggagggg cccacactgc ttccaggaca ggactgtcgg gggctctcct caccctgac 300  
tggcccacag cagcaggctg ctccctggcg ttggcagcag tcgtgatggg gctgcagcag 360  
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<211> 434  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1273  
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aaaaatcaca aatatgattg gctcatacaa ccacatttca cctcttttca ccagcactcc 180  
caccatttcc cgttagaaat attttgttta aaaaatcagg tgatcaaact catagaaact 240  
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gaagggaat catcttttag agcccttggg ttatttctga caggaaaggt aaagccgtgc 360  
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ggctgaactg ggaa 434

<210> 1274  
<211> 408  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1274  
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ggaacgggca tgatttatct gctggcaaat aagtctccac tataccctaa tcattctttt 180  
atcctaagtg catcatgatc tccttagtcc tgggacgtca aaatagtcaa ttatgggctc 240  
cttggaatt tcctggtaaa ttactgctcc caggatcctg gtctgacnga ngtcggtnat 300  
ggggaatcgn tgggtggaggc cgtgctgnat ttccctttca agcanacctg tcagcgtggg 360

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408

<210> 1275  
<211> 613  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1275  
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aagttattcc tgtaattact atttttaaat agtcttctta actgtgggaa aactttaccc 180  
tccccagca cgcacacaca tactctcctg tgatgaggct gaatgctatc cagtgcactg 240  
gttcagtcag caatctgccc atgttccctgg gagaaatcag tcccagtcct tttgctgtca 300  
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ccagactgcg acgaaatcac accaacccca caccatgcat acaggaganc ccagcccaga 540  
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ggaccattcn ggg 613

<210> 1276  
<211> 484  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1276  
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gacacagccc ccgtcagcgg cacagtcaca cggtagtgag taggtctgca gtgagggtca 360  
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naaa 484

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<211> 512  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> n=a,t,g or c

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gacaggaagc agccctggac angagagcct gcaaacggag ttnccttatg nnnaatgtct 180  
gaactttctca tacattctag gatttcatgt ttcgttacaa aggaaaggaa actgggctaga 240  
agattcatgt acaagaaggt cacaacttta aagctatctg acgctaata cttgtacaat 300  
ctgggtttgca aactctgaga gacagtatca aataagcact gttcaaagac tactcccagc 360  
taatccctta ctgtcatttt ctctttgaaa ttgtctttgg gactggntat gtnctcactg 420  
tagcttccgt ttatcccaca gcccctaaanc cctanagtcc catgggtgcag tctccatggt 480

512

$\langle 213 \rangle$	HOMO
100	1070

Caagagagag ygtccccgttg tgttgccccag gcttggggtgc agaggtgtcaa tcaatagctca 55

ctgcagcctc gaattcctag gatcaagcaa tcctcctgcc taagtctcct gagtaactag 120

gaccataagt gtacaccacc atgactggct aattttttac ttttccgtag agatggagtc 180

ttgtgatatt gccagcctg gtcttgaact tttggcctcc gacaaccttc ccatcatggc 240

ttcccaaagc attgggacta cagacatgga ctagctccat ttcttgatgt gaggccataa 300

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--sequence --gc3base ggggttggg tgggtttggg ggggttggg ttggttggg 360
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gcagaaccaa gcagactcaa ggcccttggt tgcttggaca caattagcta ttaataacat 360

ggaggaaaaa gctcagtcct ctgagtcagg aaaacctggg ctggagtcct ggctacactg 420

ccagggaaaaa gctcagtcctt ctgagtcagg aaaaacctggg ctggagtcctt ggctacacctg 420

qtcaccagca gcagaagcct gggcaagatg cttcac 456

<213>	HOLLO
100	1070

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atgaaacata aaacttaaca atgaagqcag aagaagaaca tagtagaaac aattactaca 120

100

aacatttttag cttccaattt catataatgt tatacagttt agaaggagat agtctattcg 180

ttatagaaa tactaagtat agtttttttag atttatgtat gggaggatag gatagaggag 240

ttaatagaaa tagtaagtgt acttttttttag cttctgctgt gggagcatgg catcacaccag 240

cttgggtggt ggggaaagcg ggtctgtaat gttccagcct ctggttggtt ccattcggctg 300

ccccccccc ccccccccc ccccccccc ccccccccc ccccccccc ccccccccc

cttttgggca acaccagct ttagagatct tttttgttac tttctgactt tgcttattct 360

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<400> 1380

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agattttgagt ttattttgcct ggacaacttg ggtttgtctg gcttttgttt tctttttctt 120

agatttgagc ttatttgcct ggacaccttg ggttgcttg gcttttgctt cctttttctt 120  
taaaaaataaa tgtacagtaa aactacaagc aaaagtttgt cagtattgaa ttgaattttt 180

taaaaataaa	tytacagtaa	aactacaagc	aaaagcttgc	cagtcattgaa	ctgaattcttc	180
taccccttaa	aaggactagt	ataatttcca	atctctaaca	aaaacttagt	gtcaaattctc	240

tatccctcttaa	aaggactagt	ataacttcca	atctcttaca	aaactcttagt	gtcaaatcttc	210
acagataaqq	ccaaatggca	gatatcttca	gttatgtggg	tagtacaact	tgagtaacct	300

acagataaag ccaaatggca gatatttca gctatgctgg tagtacaact cagatadccc 300  
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ttttttacatg acaaaaaagtg agtttatataa attgctctca acctttccatc agggaaaaaaa 300  
tggtttaata gcttcaaaaq gaattttctt tcatgtatac tcttcagtat ccaatattga 420

tygttcaata gcttcadaag gaattttttt tcaatgatac ttttcagat caatatttga	120
agctttgttc tttg	434

agcttttggcc tttg

$$\begin{array}{r} \langle 210 \rangle \quad 1281 \\ \langle 211 \rangle \quad 314 \end{array}$$

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<211> 514  
<212> DNA  
<213> Homo sapiens
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<213> Homo sapiens
<400> 1281
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gcttttctgt ctctgtagag acccctcctt cttctgcttc ctgttcccca tcagaatcac 120

tatgcgaatc tgatgatttg gattcatcta ggggtgccaag tgaattttca ttgaccttac 180

tagaaggcag atcactagt tgtggaatga aatcatcagg tttctcccat cgggatccc 240

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gtcttcactg ctgt 314

<210> 1282

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<210> 1284
<211> 442
<212> DNA
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<212> DNA
<213> Homo sapiens
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<400> 1282



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<210> 1287  
<211> 310  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1287  
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atggggcaaa tcccatgcct atgggtgtaa ataaagtttc actggaatat agctctgccc 180  
aatgcattta tgtactgtct gtggctccct ctactacaac tagagggttg agtagtgcac 240  
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aatcgttatt 310

<210> 1288  
<211> 340  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1288  
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atatatcaat aagctgtctt aaaaaagtga actcaggggt tgcaaatgac cacacatctg 120  
agcttttagtc ccattcatc aggggcataa cctgtggaga aaaatcaggg aattatgcag 180  
tatatgggtt agacaggnaa acattctagg aagancgaga ttctatgtat aanccttaagg 240  
gcaataaagc atcatggaag gttttaagca gtatataatc agatctacac tttagaaacc 300  
ccccaaatca ctgaattgta catttcaaac aagtgaattt 340

<210> 1289  
<211> 265  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1289  
gatgtttgtc atttttattt gcaatacttt aggtccaagt ttcaaactgc aatattttta 60  
cactcaagac acagtcacgc acaatccata tttcaatttt ctattgcttc aaccacaatt 120  
taaaataaca atattgaaaa caaaaatcct taaaaagntt ggntgctgag gtcagaagg 180  
tggnaccata ccatcagcag gnetacaaa gnaataactt acttaaaaat caaacaaca 240  
aaaagncnt aaataccttt aatcc 265

<210> 1290  
<211> 381  
<212> DNA  
<213> Homo sapiens

<400> 1290  
tttaccagtt tttaaacttt taatgttctg aagtataagt aaacacatct caacagcttt 60  
acatattttc atatatttta ttttttaaac tctcataact ttgcaagcta gcagtaaaat 120  
attgccttca atattttact aattagcacc gtataccttt taaagctaac tggaacattg 180  
attcattata aatgattgta aaataaaatg atcatttcaa atgccaaatt aatctcaaat 240  
aacaagtga ctattattaa ttttatctct tttttggct ctacgcacaa agatgtattt 300  
caaagatgaa cttaattata ttagtatcag ttttgtcaat ctagcaaata atagtatcac 360  
agtttaaagc aatatttaac c 381

```

<210> 1291
<211> 384
<212> DNA
<213> Homo sapiens

<400> 1291
tttttttttt gtactcttta aatgtacttt taatgtattt taaagaaatt ttaaattgaga    60
tatttaataa tacaagtatt tgagagcaat aaaaaaagaa agtccatata aggaagatga    120
acttagagag agctaccaga gcaggtaaatt ttccagcatt cttccatcat tgttgagaga    180
tgggtatcaa agccagtggg gttctgttct ccttggcagg tagatcccca aggtggggta    240
gctcaatgca attagctggg aagatcaccg gactcactct tccagggatg actccgtgca    300
cattaggaaa cctgacattg gtttgcttct caatgtcgtc ctttgctgtg ggggcaatgc    360
cctgggcaca catattatca gaac                                           384

```

```

<210> 1292
<211> 223
<212> DNA
<213> Homo sapiens

<400> 1292
atggctcaat gttaattttt taatatactt gcaaatacat tataataaaa taatacaacc    60
aaatcaaaaa gcagccactt aaaaactgaa attcacaaaa tgagctgttc ttggctacat    120
acagaaggcc aacattttaa ctgaatgata attaaacgtt tactaccata ggtaatatatt    180
acgcacttct gggccaata gaagggtgtg aatcaatgtg atc                                           223

```

```

<210> 1293
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1293
tttagccgct caaagaaaat ttattggcac tcggtaaaga caatgccaca aaatgccatt    60
gaaacagata tctgaaagca caagggtgctg atgtagccac tagatgaatc tgttcggtag    120
cagttgagcc cggtgaatta aggagtttac agctgttatt tatgtggctc atgatgctta    180
ttgagcaatc tgcaaaaaata gatttctctg ctcacacagg acagggtaga tttccagcaa    240
gcataatcaa aatctccaag tcttttgggc aaattagagc tgccaccatg cagcaggttt    300
tacttaaagg tgtttactga tgaataaaact cacacttctg tgaactgggt cttgcttctt    360
gtgcagctaa ctctttccac ctctctttgt tctgctgaat gatgtccacc aggttgttct    420
tgaaactctt caggtccact gctgcaaggg agtagtctgg ggaataggna ccatcactca    480
tggaggcctt tgtatttgat cgtctaagtg catcagccat gtggtacccc acaatgtggg    540
t                                           541

```

```

<210> 1294
<211> 445
<212> DNA
<213> Homo sapiens

<400> 1294
tttcaatgca tgaatatattg attttatctt aaaagacaat tatttataac actgaccctc    60
tatcaaaaag aatatgcttt tctgatgggg aagtgacaaa aaaaaaaac tacacagaac    120
aagagtaata agtttctcaa gtaaggattg cactccaata ggaattgagt gattctctca    180
gagagcactc attacatctt agacaacgtc actcttcttt cctcttggcc atatgttcag    240
gtctcatagt ctttctgaac acagaatggc agtggccagc attgtccatt atctatgttc    300
cgcttgttta ctaattaaaa agctttgggc ttcagtgttg taaacgcaat ttctgccttc    360
gatatcaaaa ggtgagtga tgaagacaaga ttagttgaag gaagtacttg atattttact    420
ccagatagct gaatgaaaat gggt                                           445

```

```

<210> 1295
<211> 445
<212> DNA

```



<213> Homo sapiens

<400> 1295

```
tttttttttt ttagagggtt ccaacacact ttattttgca gaccactggt ttgtagcttt      60
tgaggaccaa catctctatc aattcctata aaatgtccaa tcactttcag ttccgtagca      120
ggctcttcca tactgcacac catgcttatg gctggagggtc cagttacaca tgcataaagg      180
ctgccctgcc cactgggttc tggaggaggg cgcgtccgag tttaaagcctc ttccaggagc      240
ttgaacttcc caggggtcat ttcctttggc aagaagtcag tttacatgtg cagctttggt      300
gcctgtgagc agaaagcacc agaaatgggc aggatgtgct gctttttctc tcacgaagat      360
gggcacttga ggatccagcg cccttgtgct taatgacagg aatccctcct cattgcttag      420
taggttaaaa tataaggaag cctcc                                           445
```

<210> 1296

<211> 442

<212> DNA

<213> Homo sapiens

<400> 1296

```
gcggcgcgtc cacatgcaca gaatctacta ggatttgtca cggccgggtg gcaccgattt      60
gttttgacta tacaacaaac ttttttttca aaagtatttg ttcagataac ttaaaaaataa      120
tataaaaaata aacaatgaat ttgacttttc ctcaaaataa aaaaaaaaaag gatggaaagt      180
ctaaacaata gcatattttt gaagtacaaa tgaaatgtaa agacactggt tcagcttaac      240
gaaacagatc aaagagacaa gttcttggct aatgctcttc ccagtatcac aacaccaggc      300
cgtgatcaaa aaccaatata gacaagaaag aagaaaaagg aaaagggtggg aaaagcaatg      360
tacaaaattt caaagataaa tacaatattt ataattgata tgttacaaaa taaagtcctt      420
tagcaactgc aagtgttcat gg                                           442
```

<210> 1297

<211> 385

<212> DNA

<213> Homo sapiens

<400> 1297

```
tttttttttaa attaaatcat ctctcttata tatgcatcca tcttttggtg aatacaagag      60
gctcctttta aatatataca ttcagtactt ctacatttat gtattcattt aatctctgta      120
ctgtagtaaa atatgcattg ttttaattca taaggatttc ctggcaacaa tcaggttgat      180
actcactgcg tttgctgatt aagagcttag tgagccactc cagggaacaa ttctcccttc      240
tggtatgcgga gaagcccatg agctatttta ggactataat gagactctac tgtgaaagca      300
aaatctgtct aatcttattc ttatcactta catttgtgta atctgtctat ttaagctacc      360
tttgggagta ggggtaaaat gttac                                           385
```

<210> 1298

<211> 501

<212> DNA

<213> Homo sapiens

<400> 1298

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tcacctcag tgcaaactcg ctggcacaga gatgttcaat gatggcctca gatttcaact      60
cgttgtcaca gggaggacac accgttgtgc cttggggctt ggaggcttcg gtggcattgg      120
gcggcgtcat ggcatgacag acgtccccct cgggagactt gtcacactta agcatctcgg      180
gccagtagaa gccgaagaac tgcataccag gctcgcacga gtcgcgcacg gcctcgcaga      240
ccagcgacac gggtagatgg gccgggtccag gcagacgggc gcgaagagcg agcagaggaa      300
gacctgggtg ccggcgtggc agttcttgtt gagcaggggc acccagctgc tggcctgctg      360
cttcacctcc gccatggtct cgtgctccag cagggtgggc agcaccatct tctttagacc      420
cacgttgtgg cacagccgca ggtccgcggg gatgttcacg cactgagggtg gcttgggtga      480
gaagcgcccc ctctggtacg g                                           501
```

<210> 1299

<211> 566

<212> DNA

<213> Homo sapiens

<400> 1299

```

tttgtttaaa tgaaaaaaag aaaactgaat atctccatta agaaggcaaa aaagtgccag      60
gcacgttagc acacacctgt ggttccagct actcaggaag ctgaggcagg aggattgctt      120
gagcccagga gtttgagacc agcctgggca acatagtga accctgtctc taagggtgaa      180
aagaaagaaa gaaagaaggc aaaatattag cacagattca ttgtagagaa aatggtatgt      240
atcctcacag actggagcca catacaaaga gataagtagc cttctttccc atgcttccag      300
ataaccagga tgcattctaag gtaagagggt ggaggaaaga agacacattg ctctgattcc      360
aagggttagag ggaataatga ccagatttca accctaagat agaaccctaaa tacttgggag      420
gcttgtgggt ctttcttctt aatggttgat aacacagtgt ccctacagag aggtcatctg      480
aaactcagag gcaataaact catcaggggc agcaacactg gcaacctaac ttagaagccc      540
cgtgtggccc cttttttatt tggagt                                           566

```

```

<210> 1300
<211> 392
<212> DNA
<213> Homo sapiens

```

```

<400> 1300
tttttttttt ttaatcttgc ctttttttta ttcaaaagga tcacaagctt cacatcaatt      60
tggcttcaaa aagacctcat gtcttaaaac taagtaccgt gacatttatt ttgccatctg      120
tgacagtttc acgtcgaaaa agcctcaaca taaaaaaatt accttcaaaa cccactgaga      180
cattctcaca taaactagga tactgcacaa acaataaagt tctttcttca atagtcaatc      240
ttttcaattt catccatgtc ttcagcgttg agttgcttaa tactgctgtt aaagtgggtcc      300
tggattttca tgagcgaggg cagctcatct acttcaatca tgttgaaggc aaggctcttt      360
ttcccaaagc gcccggtccg ccctatgcgg tg                                           392

```

```

<210> 1301
<211> 318
<212> DNA
<213> Homo sapiens

```

```

<400> 1301
ttttttctga aatcattctt ttatttttga cacacatagc tgctatttac tgaacactgg      60
aaattcatga atgcgttaca tattttaaact ttcatagaag gctcagatca acaaagcaaa      120
acttctacag ataataagta gttgtgtatg cttgtcactc ttggggccat cagcacctgt      180
tccctatcat attgctgaac tctgcaaact ccagaaagga aggtttcttt tccaaacttc      240
agagaagctg cagatcaaga atttgggccc ttgcatctga ttagaaactc tcttcttcca      300
gtgtgagaac gttggatt                                           318

```

```

<210> 1302
<211> 451
<212> DNA
<213> Homo sapiens

```

```

<400> 1302
tgaatgatgt gcaacattta atagtcacaa agcatttgct ttcagtacag ataatgaaat      60
acagtagtgt gaggtttggt tgttttttta caatgaattg tgctgggcat ttatgtatag      120
agggttattt attttcttct gtatttctca tattcacagt tgtaataaag ttttctgagg      180
tgtcccaaag atgcaaaagc agaaattttt gaacacgtat tttgagaatt tctgaaactc      240
acataggtac attccacagg gaatatacag aaattttgct tgattgagta tagagttggt      300
aaaaatttct accacaatta ggtttacaca ggaaaatgta aaaaattact attttaaaag      360
gtaacacagt attaatgaag atgtataact atagattggt tctagcttca gaagaggtcc      420
tttcaatctg tattaaaatg ttgtgttttc t                                           451

```

```

<210> 1303
<211> 389
<212> DNA
<213> Homo sapiens

```

```

<400> 1303
tttgatttac aatgaagaaa tttattagtt cacagttctg gacgctggga atttcaatat      60
ggaggtgcc aatgtgttg agaggcttct tgccgtcttc ttcaaactcat ggaaaagggt      120
cccaaattc tctctcttt ctgaagcgtc tcttcgaaga taaccctttc taaacatctc      180

```

ccttgagtac	acataaaaagt	ttactccaaa	tttgtgaaat	gtactggcct	agggagatgc	240
tcagtcaatg	ctgattaatt	ttaggtagaa	tagaaatgtc	aggcacagtg	agcacctttg	300
ctgtgattga	ttgggtgtcg	attctctgct	atgaagcgaa	ggggtgtgct	ggatcaaaca	360
catccctctg	qtqactaqct	ctctgccttt				389

```
<210> 1304
<211> 292
<212> DNA
<213> Homo sapiens
```

<400>	1304							
tttttttttta	ggataacacc	atttaaatgaa	caataactgga	taacattaag	tactattatc			60
actttaaaat	tcaaacaatc	ttccaaacat	caatacacatac	acagttagtt	taaaatcaca			120
gacaaatcgg	acttgagggt	aaaagtgaaa	tcctcacctc	ttgcccatgt	ttgactttgg			180
gatggaattc	agcaaagctc	tcccaactgca	gattggggaga	atcaggtatt	tctcccat			240
ggggggctgc	caggggaagga	ggaccctata	gggtggccag	caagggggcca	ct			292

```
<210> 1305
<211> 335
<212> DNA
<213> Homo sapiens
```

<400>	1305								
tttaggagta	cacaatataa	atgctttatt	gctagcacag	aggtttcttt	ttaagtaa	aat			60
taaaagaaat	aaatcttcat	tttcacattt	tttgttgcag	tccaaaggta	actagttggt				120
tagtggctat	gtccacttgg	acacatgcta	caggagggca	gcattcacat	ggaagcactc				180
agaaatacgg	catctgtcag	ggctcacggc	actgggctgc	tgaatgcact	gtcgtttgta				240
aataacagca	agtggagact	ttaaaacatc	atggatagat	aagagttata	aatagaaaac				300
tggtacggtt	aagaagcaga	agatcgttaa	ataca						335

```
<210> 1306
<211> 408
<212> DNA
<213> Homo sapiens
```

<400> 1306						
aaagttttacc	ataattttat	tgtaatatca	gaatcacata	agatatagag	ttaagcagaa	60
aactgatgaa	ttttcttcag	atgatcttta	agaatctcaa	aagccttgaa	gtttgctatc	120
ttctactgtc	ttattagaag	gataaaaaac	tttgaatgaa	aatccacttc	ttggaaaaga	180
gccagggttt	atgcagaggc	attcggtatt	tgtcgtagtg	aaaggatcat	atttgtctgc	240
aatgacaagt	agatcgggca	caggatacac	tctcaaagca	tagtcatatg	ccaatacac	300
tgggcagaca	taaagaggta	ggggagtcag	atgtccttgg	gataagatag	tctttacaaa	360
qtgattagga	atagccaaat	tgctgctagg	aaaacggacg	cagtttct		408

```
<210> 1307
<211> 406
<212> DNA
<213> Homo sapiens
```

[illegible]

```
<210> 1308
<211> 455
<212> DNA
<213> Homo sapiens
```

<400> 1308  
tttgcacag ggtaaacttt tatttttagaa tccaatcttt tccccacaca tacacaataa 60

attaaacaga atccacagta aatgtacatt ttttaacata aaaagtcagt tactgttact 120  
 tcatgatcac atgaggatcg tcacagctcc gtgtccatta gcacattacc ctcttgtcc 180  
 ttaactctta tccgaccgga tctgtacttc gtttcttgat gaccgtttgc atatacgggt 240  
 ttaacagtgc catctgggta tccccgtctc ttgaactggg cagtatgtag ttctctttgg 300  
 ccattattaa actctatgag tttgttgcca tcacgttgta ctctgacaat tgtaccatct 360  
 gggaaaatgc tttcttcttg tccatcagga aataagtttt taacagtctg gtcagggaac 420  
 gtgaatttct ttcttccatc tgggtaaatgt ttttc 455

<210> 1309  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<400> 1309  
 ttacaaatt taatctgtat taactttatt taaataaatg accaatctgt cacccaacat 60  
 gtcagtggc ttctctgcac tgatcttgct ttgttttcaa acttgtcact tgcaaattatt 120  
 ataagaaaaa aaggtcatct aaaatgagtt aaactgggta caattggtct caacttttaa 180  
 gaatttacat tcaaatggaa taggacgcag tgttttttaa gtgcaagata tactcttttg 240  
 gctcaacatg aaacattata gaactggaaa ttaccgcagt ctttctcct acaacaaact 300  
 tagttaaaag ctgttttgaa agttagttag ccatcagatt ataaactatg aaaaacactg 360  
 aaaagtcatt taaaatgagt atataaatgc aaattacaaa taaaaccagt gtgggagag 419

<210> 1310  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 1310  
 ttgtagaga gaaaaattta ttgcaaggca gccaaagcaag gacacaggag tctggcccaa 60  
 atctgtctct ccaagttgga ggctggggca gattttatat acagagggtg gtgaggcatg 120  
 atatgattgg atcttgtaat gaggggattc aggaggcttg atctgactgg atcacgccag 180  
 ggctcaatct gattggatca aggatcatgc cacgtggtgt ccacttctta actcagtcct 240  
 tgttcctcag tctgagcact taggt 265

<210> 1311  
 <211> 352  
 <212> DNA  
 <213> Homo sapiens

<400> 1311  
 tgatattaca agttctttta tgaatacctt ggtaacttgc tgacaactta aaagataata 60  
 ccactgatat tcaaatacag ttataatca agtccagtgg cagatactga accgccacc 120  
 tccacctcaa tttgtgaaaa cctgtctttt gtaggggttg ctaccatggg taattacgca 180  
 gactgaata aaaaatagaa tatttttcta atacttctac aaatataata aacacagtaa 240  
 cagtttgctg cagcgatttt ctttacaag aatatttggg cccagtgcga cagaaaaaca 300  
 tgaactacat cttatcgtca caaaatagcc attataaaat gaattttgca gc 352

<210> 1312  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<400> 1312  
 tgaagagcac agattttattg aaacaaaagt acatcccaca gagtggcagc aagattgagc 60  
 aacctgctgg agaccaccgg ttacagaatt ttctgggggt taaataccct ctagagggtt 120  
 cccattgggt actcggttta cgccctatgt aaatgaagta gtgatccgtg accagtctgg 180  
 ctggctcgtg gaggggacca gtcataagta cttttcattt ttcactctgc aggcagaaaa 240  
 ggggcagggt gcaaaggagg tataacctct gattcttttg ttacttgggc gaggaaagtt 300  
 gagattttcc tttagattta gttataggaa gtcagtgtga attggcttta ggcagtgtga 360  
 actgcctctg gaacttatcc tcctgcctca caagcattta tgaaatctgg ccctagacaa 420  
 gatgt 425

[illegible][illegible][illegible][illegible][illegible][illegible]

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<211> 166
<212> DNA
<213> Homo sapiens

<400> 1318
tttttgtagc tattgaaatca gggccacaca tttaattgat attatgatca agatgttcaa      60
ggcaaaaaat actattactt atttaattgtg gaacaagtct agtctttctc ttgagctccc      120
acctgctggg taggaggcaa caatgttatt tggatcctgt ttagag                        166

<210> 1319
<211> 497
<212> DNA
<213> Homo sapiens

<400> 1319
aattttaatt tacaatgaaa tgaaatgtga cacatgaagc ataagaacac aactgaagac      60
tgcaaacacac cttaatcaat taccgagttt gctcaagcct ccaagcacca gtcaaatact      120
gaagtcgtat aaaaagtagg actttacaca tttgtagcca gctccagaat ggaactaatt      180
tagaaccttc aaattctgtc cagttgacag caatttctgc tattggaatt ttaaagaact      240
gtgctatgta cagtagttct acatcaaattg ccctgagcaa ttgattcttt ttctaaatga      300
gctcgagatc cacatgctat agccaattga ttaggccaaag gctgtagatc atttagcccc      360
ttttctaatt tctcaacatc tggaaacttt gtggctccat cagcatctgc cataaggatc      420
ttttctcttc gagaactgaa tatacccatt ctaatcgctc caccttttcc acgattcttc      480
accagggtta tcacacg                        497

<210> 1320
<211> 233
<212> DNA
<213> Homo sapiens

<400> 1320
gaggtgaagt tcttgtttat tgttgacagc actcttatac agacattagc gttcagttaa      60
ataaaggaag atagatagca cagtaaatac atcacaaccc caaactggat gatgtsgcca      120
cgggacggag gavsghasgs agggaggggac cagtsaccga ctgtcaagga agtacattca      180
gtgggtgtgc ssgtgtccac attccaggct cagtgtaga tattccccbc cat                233

<210> 1321
<211> 231
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1321
taattttcca caaagagctc cagaaggcaa atagtttatc acttccccac tctgaaatag      60
cacgcaagac agatgatgca ggggaatggg tgtccactct tncttgnct cagagctcct      120
gcagcaggcc tgantgaccc gcaagcgggg cccatgcagc gtgtcctctg caaagtgcag      180
gtnttcagtc cacacacagc accaccagca ctgctgatgt cacggttgct t                    231

<210> 1322
<211> 272
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1322
catgttttta tattttttata tatttttttg aaaaattaca ttaacagcat aaaattcaaa      60
agttatacag aagaaacaat aagangtaaa tctttcgtcc tgtcctgtgc cccatctagt      120
accttaagac aatcagtgat agtagtttct tggctgtacc ttcacaaata ttctaggtat      180
ttatattatt tatttncccc tacacaacaa cagcgtatta tagacaacat tctctcctgg      240
cttttttcac ttactcttta tccatattga ta                                272

<210> 1323

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<211> 268  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c  
  
 <400> 1323  
 aataaaaactg tttatttatg gnacacatta gaaaagaaag gttcgaaaac nncacaaaaa 60  
 caacgggatg catttaaaat cgggatgcag aggcattctaa aggattatac aaatctaaaa 120  
 ttgcctaaaa gattctttac aaaacgcaaa tgaaaggctc atgcagcaca tgancctggg 180  
 ttgcccctnc tctgtctctc ctttgccctcg atgctttgag tacagtaacc cttttntctca 240  
 gttacctttn ctccttgagg ctaatgaa 268

<210> 1324  
 <211> 442  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c  
  
 <400> 1324  
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 <212> DNA  
 <213> Homo sapiens

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<220>  
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 <211> 260  
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 <223> n=a,t,g or c

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 <211> 309  
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 <211> 326  
 <212> DNA  
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<220>  
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 <213> Homo sapiens

<220>  
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 aaag 424

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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n=a,t,g or c

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2103

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<213> Homo sapiens

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